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PREFACE.

THE present is the first of a series of Hand-lists of the collections of living plants cultivated in the Royal Gardens which it is intended to issue from time to time.

It is hoped that they will be found useful in indicating to visitors interested in particular groups of plants, the species which Kew already possesses. In the hands of correspondents they will serve to show in what directions the collections may be added to. It is further hoped that they may be found of some value in establishing an approximate standard of nomenclature, which is often much confused in gardens and too frequently erroneous.

This is particularly the case with woody plants (shrubs and trees) grown in the open air. The preparation of the present list has accordingly been first taken in hand; it represents the work of many years, and has only been accomplished with considerable labour.

A rough census of the species and distinct varieties of plants cultivated at Kew gives the total number as, approximately, 20,000. Of these 3,000 are hardy shrubs or trees.

The first catalogue of the plants cultivated at Kew was that of Sir John Hill, published in 1768 (second edition 1769). This was entitled *Hortus Kewensis*, and

was an octavo volume of 458 pages. It has been reckoned to contain 3,389 species, of which 488 were hardy trees and shrubs.

In 1789 the elder Aiton published a more critical *Hortus Kewensis*, in which 5,535 species are enumerated.

The younger Aiton published in 1810 to 1813 a second edition in five volumes, "and in 1814 a catalogue or epitome, as it is called, of the species contained in the five volumes, for the use of practical gardeners; it contains . . 314 additional species, the total number being 11,013."

This is the latest comprehensive list of plants in cultivation at Kew which has been published.

Occasionally lists of special collections have been issued since this date. Catalogues of the Ferns were issued in 1845, 1856, and 1868; of the Hardy Herbaceous plants in 1853; of Succulent plants in 1856; of *Aroideæ* in 1878; of *Bromeliaceæ* in 1879; of *Aloineæ*, *Yuccoideæ*, and Agaves in 1880; of Economic plants in 1881; of Palms in 1882; of Primulas in 1886; and of Orchids flowered at Kew, in 1891. Since 1885 lists of seeds available for distribution with other botanical establishments have been issued annually.

An Arboretum has been for more than a century a feature of the Kew establishment. Perhaps it dates its formal commencement from 1762, when "all the Duke of Argyll's trees and shrubs were removed to the Princess of Wales's garden at Kew, which now excels all others, under the direction of Lord Bute."

"The old Arboretum in part still exists near the main gate on Kew Green. Many trees have perished and have been removed from age; but those that remain include some of the finest specimens of rare trees in the Gardens." (Some further particulars are given in the *Kew Bulletin* for 1891, page 316.)

The Botanical Garden, which was opened to the public in 1841, with Sir William Hooker as Director, comprised only about 11 acres; it included, however, the old Arboretum. In 1844, by permission of the Queen, about 47 acres, including the ornamental piece of water in front of the Palm House, was added for the formation of a Pinetum. This was too near the smoke of suburban London, and it has lost its distinctive character. But many of the trees planted at this time are now of considerable magnitude.

The "Pleasure Grounds and Gardens at Kew" were in the occupation of the King of Hanover for sporting purposes at the time the Botanic Garden was given to the nation. The woods were filled with rough scrub for cover. In 1845 they were placed in the charge of Sir W. Hooker, with the "intention that they should be formed into a national arboretum." A plan for the purpose was prepared in 1846 by W. A. Nesfield. The main features were carried out at the time, and the general principle has been worked upon ever since. In 1850 the Nursery was formed. In 1870 the new Pinetum was commenced.

The late Director, Sir Joseph Hooker (1865–1885), spared no pains to amass the most complete collection which could be formed of hardy woody plants. These

were obtained from public and private correspondents and establishments at home and abroad, partly by purchase, partly by gift and exchange. They had necessarily for the most part to be planted under the names with which they were received, and these, from confusion or accident, were often erroneous.

A great difficulty arose in rectifying this, from the fact that woody plants can rarely be identified with any accuracy till they flower or fruit. The process of accurate identification in an extensive arboretum is necessarily, therefore, a very slow one.

A further difficulty arises in a public arboretum from the fact that, though the specimens were all carefully labelled with their history and a corresponding register kept, these labels are apt to be misplaced or lost. To remedy this a separate Herbarium was formed, in which a specimen was preserved of every species or variety planted out, with the name under which and the source from which it was received. By reference to this Herbarium it was possible, in a large number of cases, to correct the nomenclature.

By this means it has also been possible to draw up the list of which the present is the first instalment. It must still be regarded as in some sense provisional and open to correction. But it has been possible to reduce an immense number of "trade" and "garden" names, and to bring the nomenclature to something like a standard.

It only remains to note that in this list the names of some plants will be found which are accorded specific rank on account of their distinctness from a cultural point of view, although botanists would regard them as mere varieties.

PREFACE TO SECOND EDITION.

THE first edition of the Hand-list of Trees and Shrubs (excluding Coniferæ) grown in the Kew Arboretum (Part I., 1894; Part II., 1896) has been for some time exhausted.

It is now republished in one volume after having been carefully revised and enlarged by the addition of the names of numerous species which have been added to the collection since the first edition was prepared.

The number of hardy shrubs and trees now enumerated amounts to about 4,500.

W. T. T. D.

Kew, Nov., 1902.

DICOTYLEDONS.

POLYPETALAE.

THALAMIFLORAE.

Ranunculaceae.

Clematis aethusifolia, *Turcz.* Amurland and North China

C. nutans *var.* aethusifolia, *O. Kuntze.*

Var. **latisecta,** *Maxim.* Bot. Mag. t. 6542.

C. alpina, *Mill.* North Europe, &c.

Atragene alpina, *L.*; Bot. Mag. t. 530.

A. austriaca, *Scop.*

A. sibirica, *L.*; Bot. Mag. t. 1951.

A. Wenderothii, *Schlecht.*

C. apiifolia, *DC.* China and Japan.

C. virginiana, *Lour.* (not *L.*).

C. japonica, *Hort.* (not *Thunb.*).

C. Armandi, *Franch.* Nouv. Arch. Mus. s. 2, viii. t. 2. China.

C. aromatica, *Lenné & C. Koch.* (C. integrifolia × recta); Lavallée Clématites à grandes fleurs t. 9. Garden origin.

C. coerulea odorata, *Hort.*

C. davurica, *Hort.*

C. odorata, *Hort.*

C. odorata coerulea, *Hort.*

C. Bergeroni, *A. Lavall.* Clématites à grandes fleurs t. 10. Origin unknown.

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C. brevicaudata, *DC.* Mongolia and Mandshuria.
C. Pierotii, *Hort.* (not *Miq*).

C. calycina, *Ait.*; Bot. Mag. t. 959. Balearic Islands.
C. balearica, *Rich.* (not *Pers.*). Gard. Chron. 1878, ix. 501.

C. campaniflora, *Brot.*; Lodd. Bot. Cab. t. 987. Portugal.
C. campanulata, *Hort.*
C. crispa, *Hort.* (not *L.*).
C. parviflora, *DC.*
C. revoluta, *Desf.*
C. viornioides, *Hort.*

C. cirrhosa, *L.*; Bot. Mag. t. 1070. South Europe.
C. balearica, *Pers.* (not *Rich.*).
C. pedicellata, *Lindl.*
C. polymorpha, *Viv.*
C. semitriloba, *Lag.*

C. connata, *DC*; Garden and Forest 1891, iv. 234, f. 42. Himalaya.
C. montana, *Hort.* (not *Wall.*).
C. venosa, *Royle.*

C. crispa, *L.*; Bot. Mag. t. 1892. Eastern United States.
C. cordata, Bot. Mag. t. 1816.
C. cylindrica, Bot. Mag. t. 1160.
C. Simsii, *Sweet.*
C. Viorna, *Andr.* Bot. Rep. t. 71 (not *L.*).

C. Flammula, *L.*; Reichb. Fl. Germ. iv. tt. 62, 63. Europe, &c.
C. angustifolia, *Jacq.*
C. caespitosa, *Scop.*
C. canaliculata, *Lag.*

C. Flammula—*cont.*

C. fragrans, *Tenore.*

C. maritima, *All.*

C. paniculata, *Hort.* (not *Thunb.*).

Var. **rubro-marginata,** *Hort.*

C. florida, *Thunb.*; Bot. Mag. t. 834. Japan.

C. Fortunei, *Hort.*

C. fusca, *Turcz.*; Gartenflora 1864, t. 456. N.E. Asia.

C. kamtschatica, *Bunge.*

C. grata, *Wall.* Plant. As. Rar. t. 98. Himalaya.

C. Hendersonii, *Chandl.* (Viticella × integrifolia). Garden origin.

C. heracleaefolia, *DC.* China.

C. Hookeri, *Decne.*

C. tubulosa, *Turcz.*

C. tubulosa *var.* Hookeri, Bot. Mag. t. 6801.

Var. **davidiana,** *Franch.*

C. daveyana, *Hort.*

C. davidiana, *Verlot* Rev. Hort. 1867, 9.

C. tubulosa, *Hook.* Bot. Mag. t. 4269.

Var. **Lavallei,** *O. Kuntze.*

C. Lavallei, *Decne.* Rev. des Clém. tub. 241, t. 16.

Var. **stans,** *O. Kuntze.* Japan.

C. stans, *Decne.*; Bot. Mag. t. 6810.

C. Kousabotan, *Decne.* Nouvelles Archives du Muséum ser. 2, iv. t. 13.

C. Savatieri, *Decne.* Nouvelles Archives du Muséum ser. 2, iv. t. 16.

C. Jackmani, *T. Moore* Florist and Pomologist 1864, 193, t. (C. lanuginosa × Viticella). Garden origin.

C. hakonensis, *Lavallée* (not *Franch. & Savat.*).

C. lanuginosa, *Lindl.* Paxt. Fl. Gard. iii. 107, t. 94. China.

C. leiocarpa, *Oliv.* Hook. Ic. Plant. t. 1533. China.

C. ligusticifolia, *Nutt.*; Britt. & Br. Illustr. Fl. ii. 68, f. W. United States.

C. montana, *Wall.*; Bot. Reg. xxvi. t. 53. Himalaya.
C. anemonaeflora, *D. Don.*

Var. rubens, *O. Kuntze.* China.

C. orientalis, *L.* Orient.
C. graveolens, *Lindl.*; Bot. Mag. t. 4495.
C. flava, *Moench.*
C. Wilfordi, *Hort.*

Var. tangutica, *Maxim.*; Bot. Mag. t. 7710.

C. paniculata, *Thunb.*; Garden and Forest 1890, 621, f 82 Japan.
C. Vitalba *var.* japonica, *Houttuyn.*

C. patens, *Morr. & Decne.* China and Japan.
C. coerulea, *Lindl.* Bot. Reg. t. 1955.
C. coerulea grandiflora, *Hort.*

C. Pitcheri, *Torr. & Gray.* Colorado, &c.
C. coloradensis, *Buckl.*

Var. lasiostylis, *A. Gray.*

C. Pseudo-flammula, *Schmalh.* Caucasus.

C. Scottii, *Porter.* N.W. America.

C. songarica, *Bunge.* N.E. Asia.

C. verticillaris, *DC.* N.America. "Purple Virgin's Bower."
Atragene americana, *Sims* Bot. Mag. t. 887.

C. Viorna, *L.*; Andr. Bot. Rep. i. t. 71. United States. "Leather Flower."

C. virginiana, *L.*; Watson Dendr. Brit. i. t. 74. United States.

C. cordata, *Pursh.*

C. cordifolia, *Moench.*

C. fragrans, *Salisb.*

C. Vitalba, *L.*; Eng. Bot. ed. 3, t. 1. Europe, &c. "Old Man's Beard."

C. bannatica, *Wierzb.*

C. taurica, *Bess.*

C. Viticella, *L.*; Bot. Mag. t. 565. Europe.

C. hybrida, *Hort.*

Var. flore pleno.

Many garden varieties.

Xanthorrhiza apiifolia, *L'Hérit.*; Bot. Mag. t. 1736. United States. "Shrub Yellow-root."

*Paeonia lutea, *Franch.*; Bot. Mag. t. 7788. Mountains of Yunnan.

P. Moutan, *Sims* Bot. Mag. tt. 1154, 2175. China. "The Moutan" or Tree Paeony.

P. arborea, *Donn.*

Calycanthaceae.

Calycanthus floridus, *L.*; Bot. Mag. t. 503. South United States. "Carolina Allspice."

C. sterilis, *Walt.*

Butneria florida, *Kearney.*

Var. albus.

C. glaucus, *Willd.* South United States.
C. bullatus, *Hort.*
C. ferax, *Michx.*
C. fertilis, *Walt.*; Bot. Reg. t. 404.
C. floridus elongatus, *Hort.*
C. floridus *var.* inodorus, *Torr. & Gray.*
C. floridus *var.* laevigatus, *Torr. & Gray.*
C. floridus longifolius, *Hort.*
C. floridus ovatus, *Hort.*; Arbor. Segrez. Ic. xxiv.
C. inodorus, *Elliott.*
C. laevigatus, *Willd.*
C. nanus, *Loisel.* Nouv. Duham. i. 219, t. 48.
C. pennsylvanicus, *Hort.*
C. prunifolius, *Hort.*
Butneria fertilis, *Kearney.*

C. occidentalis, *Hook & Arn.*; Bot. Mag. t. 4808. California.
C. macrophyllus, *Hort.*

Chimonanthus fragrans, *Lindl.* China and Japan.
Calycanthus praecox, *L.*; Bot. Mag. t. 466.

Var. **grandiflorus**, *Lindl.* Bot. Reg. t. 451.

Magnoliaceae.

***Drimys aromatica**, *F. Muell.* Tasmania and Victoria.
Tasmannia aromatica, *R. Br.*; Bot. Reg. 1845, t. 43.

***D. Winteri**, *Forst.*; Bot. Mag. t. 4800. South America.
"Winter's Bark."
D. chilensis, *DC.*
D. granatensis, *L. f.*
D. mexicana, *DC.*
Wintera aromatica, *Murr.*
Winterana aromatica, *Soland.*

*Illicium floridanum, *Ellis*; Bot. Mag. t. 439. South United States.

*I. religiosum, *Sieb. & Zucc.*; Bot. Mag. t. 3965. China and Japan.

Magnolia acuminata, *L.*; Bot. Mag. t. 2427. Sargent Silva of North America tt. 4, 5. United States. "Cucumber Tree; Mountain Magnolia."

Var. cordata, *Sargent* Silva of North America t. 6.

M. cordata, *Michx.*; Bot. Reg. t. 325. South United States.

*M. Campbellii, *Hook. f. & Thoms.*; Bot. Mag. t. 6793. Eastern Himalaya.

M. Delavayi, *Franch.* Plantae Delavayanae tt. 9, 10. Yunnan.

M. conspicua, *Salisb.*; Garden Sept. 22, 1888. China and Japan. "Yulan."

M. Yulan, *Desf.*; Bot. Mag. t. 1621.

M. Fraseri, *Walt.*; Sargent Silva of North America tt. 11, 12. South United States.

M. auricularis, *Salisb.*

M. auriculata, *Lam.*; Bot. Mag. t. 1206.

M. pyramidalis, *Bartr.*

M. glauca, *L.*; Lodd. Bot. Cab. t. 245; Sargent Silva of North America t. 3. United States. "Swamp Bay; Laurel Magnolia."

M. fragrans, *Salisb.*

M. longifolia, *Sweet.*

M. virginiana, *L. var.* glauca.

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M. grandiflora, *L.* South United States. "Bull Bay."
M. foetida, *Sargent* Silva of North America tt. 1, 2.

Var. **angustifolia**, *Hort.*
M. Hartwegii, *Hort.*
M. Hartwicus, *Hort.*
M. salicifolia, *Hort.*

Var. **ferruginea**, *Hort.*

Var. **lanceolata**, *Ait.*; Bot. Mag. t. 1952.
M. exoniensis, *Lodd.*

Var. **undulata**, *Hort.*

M. hypoleuca, *Sieb. & Zucc.*; Garden and Forest 1888, i. 305, f. 49. Japan.

M. Kobus, *DC.*; Sargent Forest Flora of Japan t. 3. Japan.
M. Thurberi, *Hort.*

M. Lennei, *Van Houtte* Flore des Serres t. 1693. (M. conspicua × obovata). Garden origin.

M. macrophylla, *Michx.*; Bot. Mag. t. 2189. Sargent Silva of North America tt. 7, 8. South United States.

M. Norbertii, *Hort.* (M. conspicua × obovata). Garden origin.
M. norbertiana, *Hort.*

M. obovata, *Thunb.* China (cultivated only in Japan).
M. discolor, *Vent.*
M. denudata, *Lam.*
M. liliflora, *Lam.*
M. purpurea, *Curt.* Bot. Mag. t. 390.
Buergeria obovata, *Sieb. & Zucc.*
Talauma obovata, *Hance.*
T. Sieboldi, *Miq.*
Yulania japonica, *Spach.*

M. parviflora, *Sieb. & Zucc.*; Bot. Mag. t. 7411. Japan.

M. soulangeana, *Hort.* (M. conspicua × obovata). Garden origin.

M. Yulan *var.* soulangeana, *Lindl.* Bot. Reg. t. 1164.

M. alexandrina, *Hort.*

Var. **nigra**, *Hort.* (M. conspicua × obovata). Garden origin.

M. stellata, *Maxim.*; Bot. Mag. t. 6370. Japan.

M. halleana, *Hort.*

Buergeria stellata, *Sieb. & Zucc.*

Talauma stellata, *Miq.*

M. superba, *Hort.* (M. conspicua × obovata). Garden origin.

M. conspicua superba, *Hort.*

M. thompsoniana, *Hort.* Garden and Forest i. 269, f. 43 (M. glauca × tripetala?) Garden origin.

M. glauca *var.* major, Bot. Mag. t. 2164.

M. tripetala, *L.*; Loud. Arb. Brit. i. 269, t. 5; Sargent Silva of North America tt. 9, 10. United States. "Umbrella Tree; Elk-wood."

M. frondosa, *Salisb.*

M. Umbrella, *Lam.*

M. Watsoni, *Hook. f.* Bot. Mag. t. 7157. Japan.

M. parviflora, *Hort.* (not *Sieb. & Zucc.*).

***Michelia compressa**, *Sargent* Garden and Forest 1893, 77, f. 13. Japan.

Magnolia compressa, *Maxim.*

Liriodendron tulipifera, *L.*; Bot. Mag. t. 275; Sargent Silva of North America tt. 13, 14. United States. "Tulip Tree."

Var. aureo-marginata.

Var. chinensis, *Hemsl.* China.

Var. contorta.

Var. fastigiata.

Schizandra chinensis, *Baill.*; Arbor. Segrez. t. 26. China and Japan.

S. japonica, *Hance.*

Kadsura chinensis, *Turcz.* (not *Hance*).

Maximowiczia chinensis, *Rupr.*

*Kadsura chinensis, *Hance* (not *Turcz.*). China and Japan.

K. japonica, *Benth.*

*Var. variegata.

Trochodendraceae.

Cercidiphyllum japonicum, *Sieb. & Zucc.* Sargent Forest Flora of Japan tt. 6, 7. Japan.

Eucommia ulmoides, *Oliver.* Hook. Ic. Plant. tt. 1350, 2361. China.

Euptelea davidiana, *Baill.*

Trochodendron aralioides, *Sieb. & Zucc.*; Bot. Mag. t. 7375. Japan.

Gymnanthus paradoxus, *Jungh.*

Tetracentron sinense, *Oliv.* Hook. Icon. Plant. t. 1852. China.

Anonaceae.

Asimina triloba, *Dunal* ; Bot. Mag. t. 5854. South United States. "Papaw."

A. campaniflora, *Spach.*

Anona triloba, *L.*

Porcelia triloba, *Pers.*

Uvaria triloba, *Torr. & Gray.*

Menispermaceae.

Cocculus carolinus, *DC.* ; Loud. Arbor. i. 298, f. 45. South United States.

Androphylax scandens, *Wendl.*

Baumgartia scandens, *Moench.*

Cebatha Carolina, *Britton* ; Britt. & Br. Illustr. Fl. ii. 94, f.

Cocculidium populifolium, *Spach.*

Menispermum carolinum, *L.*

Wendlandia populifolia, *Willd.*

W. caroliniana, *Nutt.*

***C. laurifolius**, *DC.* Himalaya and Japan.

C. Thunbergi, *DC.* Japan.

Menispermum canadense, *L.* ; Bot. Mag. t. 1910. North America. "Moonseed."

M. angulatum, *Moench.*

M. smilacinum, *DC.*

Cissampelos Smilacina, *L.*

M. dauricum, *DC.* Siberia, China, and Japan.

M. dahuricum, *Maxim.* Diagn. Pl. Nov. v. t. 2.

Berberidaceae.

*Lardizabala biternata, *Ruiz. & Pav.*; Bot. Mag. t. 4501. Chili.

*Stauntonia hexaphylla, *Decne.*; Sieb. & Zucc. Fl. Jap. t. 76. China and Japan.

*Holboellia latifolia, *Wall.* Himalaya.

Stauntonia latifolia, *Wall.*; Gard. Chron. 1883, xix. 345.

Akebia lobata, *Decne.*; Bot. Mag. t. 7485. Japan.

A. quinata, *DC.*; Bot. Mag. t. 4864. China & Japan.

*Berberidopsis corallina, *Hook. f.* Bot. Mag. t. 5343. Chili.

Berberis actinacantha, *Mart.*; Bot. Reg. xxxi. t. 55. Chili,

B. aetnensis, *Presl*; Flora Sardoa t. 5. Sardinia, Corsica. &c.

B. angulosa, *Wall.*; Bot. Mag. t. 7071. Himalaya.

B. Aquifolium, *Pursh*; Bot. Reg. t. 1425. Western North America.

Mahonia Aquifolium, *Paxt.*

Var. fascicularis, *Nichols.*

B. fascicularis, *Sims* Bot. Mag. t. 2396.

Mahonia fascicularis, *DC.*

Var. latifolia, *Hort.*

Var. macrophylla, *Hort.*

Var. murrayana, *Hort.*

Var. rotundifolia, *Hort.*

Var. undulata nana, *Hort.*

B. aristata, *DC.* Himalaya.

B. asiatica, *Hort.* (not *Wall*).

B. coerulescens, *Hort.*

B. dealbata, *Hort.* (not *Lindl.*).

B. macrophylla, *Hort.*

B. nepalensis, *Hort.*

B. serratifolia, *Hort.*

B. virgata, *Hort.*

Var. **floribunda**, *Hook. f. & Thoms.* Temperate Himalaya.

B. floribunda, *Wall.*

B. coriacea, *Hort.*

B. coriaria, *Lindl.* Bot. Reg. xxvii. t. 46.

B. umbellata, *Lindl.* Bot. Reg. xxx. t. 44 (not *Wall.*).

*B. **asiatica**, *Roxb.*; Deless. Ic. Sel. ii. t. 1. Himalaya.

B. **buxifolia**, *Lam.*; Bot. Mag. t. 6505. Chili.

B. dulcis, *Sweet.*

B. rotundifolia, *Hort.*

Var. **aureo-marginata**, *Hort.*

Var. **nana**, *Hort.*

B. **canadensis**, *Pursh*; Loud. Arbor. i. 303, f. 48. Canada &c. "American Barberry."

B. **concinna**, *Hook. f.* Bot. Mag. t. 4744. Himalaya.

B. **congestiflora**, *Gay.* var. **hakeoides**, *Hook. f.* Bot. Mag. t. 6770. Chili.

B. **cretica**, *L.*; Sibth. Flora Graeca t. 342. Mediterranean region.

B. **Darwinii**, *Hook.* Bot. Mag. t. 4590. Chili.

Var. **nana**, *Hort.*

B. diaphana, *Maxim.* Flora Tangutica 32, t. 8. N.W. China.

B. dictyophylla, *Franchet* Plantae Delavayanae 39, t. 11. Yunnan.

B. empetrifolia, *Lam.*; Bot. Reg. xxvi. t. 27. Chili.

B. cuneata, *Hort.* (not *DC.*).

B. rubricaulis, *Hort.*

B. revoluta, *Smith.*

B. Fendleri, *A. Gray*; Garden and Forest 1888, 462, f. 72. S. Rocky Mountains.

B. Fortunei, *Lindl.* Journ. Hort. Soc. Lond. i. 300. China.

*B. Fremonti, *Torr.*; Garden and Forest 1888, 497, f. 77. South-west United States.

B. trifoliata, *Torr.* (in part).

B. Guimpelii, *C. Koch.* Origin uncertain.

B. heterophylla, *Juss.*; Hook. Exotic Flora i. t. 14. Chili.

B. tricuspidata, *Sm.*

B. heteropoda, *Schrenk*; Garden and Forest viii. 455, f. Central Asia.

B. ilicifolia, *Forst.*; Bot. Mag. t. 4308. Straits of Magellan.

B. integerrima, *Bunge* Reliq. Lehm. t. 1. Central Asia.

B. densiflora, *Boiss. & Buhse.*

Var. **Pyracantha.**

B. japonica, *R. Br.* China and Japan.

B. Bealei, *Fortune* Bot Mag. t. 4852.

B. Bealei *var.* planifolia. Bot. Mag. t. 4846.

Mahonia japonica, *Thunb.*

B. Lycium, *Royle*; Bot. Mag. t. 7075. Himalaya.
B. angustifolia, *Roxb.*
B. aristata, *Hort.* (not *DC.*).
B. aurahuacensis, *Hort.* (not *Lem.*).
B. elegans, *Hort.*
B. glauca, *Hort.*
B. glaucescens, *Hort.*

B. montana, *C. Gay.* Chili.

B. nepalensis, *Spreng.* Kashmir, &c.
B. leschenaultiana, *Wall.*
Mahonia intermedia, *Hort.*
M. japonica, *DC.*
M. napaulensis, *DC.*
M. Sieboldi, *Hort. Segrez.*

B. nervosa, *Pursh*; Bot. Mag. t. 3949. North-west America.
B. glumacea, *Spreng.*
Mahonia glumacea, *DC.*
M. nervosa, *Nutt.*

B. Neuberti (B. Aquifolium × vulgaris); Gard. Chron. 1891, ix. 72.
B. ilicifolia, *Hort.* (not *Forst.*).

B. pruinosa, *Franchet.* Yunnan.

B. repens, *Lindl.* Bot. Reg. t. 1176. North America.
Mahonia repens, *G. Don.*

B. ruscifolia, *Lam.* Illustr. t. 253, f. 2. Argentina.

B. serotina, *Lange* Botanisk Tidsskrift ser. 3, ii. t. 1 Origin unknown.

B. sibirica, *Pall.*; Bot. Reg. t. 187. Siberia, &c.

B. Sieboldii, *Miq.*; Garden and Forest 1890, 249. China and Japan.

B. sinensis, *Desf.*; Bot. Mag. t. 6573. China and Japan.

B. chinensis, *Hort.*

B. monosperma, *Hort.* (not *Ruiz. & Pav.*).

B. stenophylla, *Moore* (not *Hance*), (empetrifolia × Darwinii.) Gard. Chron. 1880, xiv. 213, f. 41. Garden origin.

Var. **reflexa.**

B. reflexa, *Hort.*

B. Thunbergii, *DC.*; Bot. Mag. t. 6646; Garden and Forest 1889, ii. 53, f. Japan.

B. Maximowiczii, *Regel.*

Var. **Dawsoni**, *Hort.*

Var. **macrocarpa**, *Hort.*

Var. **myrtifolia**, *Hort.*

B. umbellata, *Wall.* Temperate Himalaya.

B. aristata, *Hook.* Bot. Mag. t. 2549 (not *Wall.*)

B. valdiviana, *Phil.* Chili.

B. virescens, *Hook. f.* Bot. Mag. t. 7116. Himalaya.

B. aristata, *Hort.* (not *Wall.*).

B. aristata micrantha, *Hort.*

B. belstaniana, *Hort.*

B. macrosepala, *Hort.*

Var. **fructu rubro.**

Var. **macrocarpa.**

B. vulgaris, *L.*; Eng. Bot. ed. 3, t. 51. Europe, Temperate Asia, N. Africa. "Barberry."

Var. **albo-spicata Krynsii**, *Hort.*

B. vulgaris—*cont.*

Var. **brachybotrys**, *Hook. f.* Himalaya.

Var. **foliis purpureis.**

Var. **foliis variegatis.**

Var. **fructu albo.**

Var. **fructu nigro.**

Var. **rufocincta**, *Hort.*

The following are slight forms of **B. vulgaris.**

B. abortiva, *Renault.*

B. acida, *Gilib.*

B. actinacantha, *Hort.* (not *Mart.*).

B. altaica, *Hort.*

B. amurensis, *Rupr.*

B. angulizans, *Hort.*

B. apyrena, *Hort.*

B. arborescens, *Hort.*

B. articulata, *Loisel.*

B. asperma, *Poit. & Turp.*; Garden 1889, xxxv. 264, pl. 692.

B. aurea, *Tausch.*

B. buenos-ayrensis, *Hort.*

B. chilensis, *Hort.* (not *Gill.*).

B. corallina, *Hort.*

B. crataegina, *DC.*

B. crenulata, *Schrad.*

B. dealbata, *Hort.* (not *Lindl.*).

B. declinata, *Hort.*

B. dentata, *Tausch.*

B. vulgaris—*cont.*

B. dulcis, *Schrad.* (not *Sweet*).
B. dumetorum, *Gouan.*
B. edulis, *Hort.*
B. elongata, *Hort.*
B. emarginata, *Willd.*
B. erecta, *Hort.*
B. Fendleri, *Hort.* (not *A. Gray*).
B. floribunda, *Hort.* (not *Wall.*).
B. globularis, *Hort.*
B. heterophylla, *Hort.* (not *Juss.*).
B. hypoleuca, *Hort.* (not *Lindl.*).
B. iberica, *Hort.* (not *Steven*).
B. ilicifolia, *Hort.* (not *Forst.*).
B. innominata, *Kielm.*
B. laxiflora, *Hort.*
B. lycioides, *Hort.*
B. macracantha, *Hort.*
B. macrantha, *Schrad.*
B. macrocarpa, *Hort.*
B. marginata, *Hort.* (not *C. Gay*).
B. maxima, *Hort.*
B. microphylla, *Hort.*
B. mitis, *Hort.*
B. moranensis, *Hort. Panormit.*
B. nitens, *Schrad.*
B. pangharengensis, *Hort.*
B. petiolaris, *Hort.*
B. provincialis, *Hort.*
B. sanguinolenta, *Hort.*
B. spathulata, *Hort.*
B. sulcata, *Hort.*

B. wallichiana, *DC.*; Bot. Mag. t. 4656. Himalaya and China.

B. Jamesoni, *Hort.* (not *Lindl.*).

B. Hookeri, *Hort.*

Var. latifolia, *Hook. f. & Thoms.*

B. Knightii, *Hort. Paris.* (not *C. Koch*).

B. macrophylla, *Hort.*

Var. microcarpa, *Hook. f. & Thoms.* Khasia Hills.

Var. pallida, *Hook. f. & Thoms.* Bhotan.

*Nandina domestica, *Thunb.*; Bot. Mag. t. 1109. China and Japan.

Papaveraceae.

*Romneya Coulteri, *Harvey*; Garden Nov. 1884. California.

Cruciferae.

Alyssum spinosum, *L.* South Europe.

*Vella Pseudocytisus, *L.*; Bot. Reg. t. 293. Spain. "Cress Rocket."

*V. spinosa, *Boiss.* Spain.

Cistaceae.

Cistus albidus, *L.*; Sweet Cistineae t. 31. South-west Europe.

C. corbariensis, *Pourr.*; (C. populifolius × salvifolius). South Europe.

C. cupanianus, *Sweet* Cistineae t. 70.

C. crispus, *L.*; Sweet Cistineae t. 22. Mediterranean Region.

*C. cyprius, *Lam.*; Sweet Cistineae t. 39. Cyprus.

C. Delilei, *Burnat.* South-west Europe.

C. albido-crispus, *Delile.*

C. crispo-albidus, *Timb.*

C. florentinus, *Lam.*; Sweet Cistineae t. 59. (C. salvifolius × monspeliensis.) South-west Europe.

C. hirsutus, *Lam.*; Sweet Cistineae t. 19. South-west Europe.

C. albiflorus, *Hort.*

C. laxus, *Ait.*

C. ladanifero-monspeliensis, *Lor.* South-west Europe.

C. ladaniferus *var.* immaculatus, *Godr.*

*C. ladaniferus, *L.*; Bot. Mag. t. 112. South-west Europe.

C. laurifolius, *L.*; Sweet Cistineae t. 52. South-west Europe.

C. longifolius, *Lam.*; Sweet Cistineae t. 12. (? C. populifolius × monspeliensis.) South-west Europe.

C. lusitanicus, *Hort.* (C. monspeliensis × ladaniferus.)

C. monspeliensis, *L.*; Sweet Cistineae t. 27. Mediterranean Region.

C. affinis, *Guss.*

C. Clusii, *Hort.* (not *Dunal*).

*C. parviflorus, *Lam.*; Sweet Cistineae t. 14. Crete, &c.

C. complicatus, *Lam.*

*C. populifolius, *L.*; Sweet Cistineae t. 23. South-western Europe.

C. purpureus, *Lam.*; Bot. Reg. t. 408; Sweet Cistineae t. 17. Levant.

C. recognitus, *Rouy & Fouc.* (C. laurifolius × monspeliensis.) S. Europe.

C. salvifolius, *L.*; Sweet Cistineae t. 54. Mediterranean Region.

*C. tauricus, *J. & C. Presl.* Crimea.

*C. vaginatus, *Dryand.*; Bot. Reg. t. 225. Canary Islands.

C. candidissimus, *Dunal.*

C. symphytifolius, *Lam.*

Rhodocistus bertholetianus, *Spach.*

C. villosus, *L.*; Sweet Cistineae tt. 70, 35; Bot. Mag. t. 43. Mediterranean Region.

C. incanus, *L.*

Var. corsicus.

C. corsicus, *Soleir.*

Var. creticus, *Nym.* "Gum Cistus."

C. creticus, *L.*; Sweet Cistineae t. 112.

C. garganicus, *Tenore.*

Var. rotundifolius, *Willk. & Lange*

C. rotundifolius, *Sweet* Cistineae t. 75.

Var. undulatus, *Willk.*

C. undulatus, *Dunal*; Sweet Cistineae t. 63.

Helianthemum alyssoides, *Vent.* Choix t. 20. South-western Europe.

Var. cheiranthoides.

H. lasianthum, *Pers.*

Cistus lasianthus, *Lam.*

*H. ambiguum, *Pomel.* Algeria.

*H. canariense, *Pers.* North-west Africa and Canary Islands.

H. glaucum, *Sweet* Cistineae t. 111 (not *Pers.*).

H. formosum, *Dunal*; Sweet Cistineae t. 50; Maund Botanist iii. t. 131. Portugal.

H. glaucum, *Pers.* var. suffruticosum. Lag. Flor. For. Esp. ii. t. 79/2. Western Mediterranean Region.

H. halimifolium, *Pers.*; Sweet Cistineae t. 4. Mediterranean Region.

H. hirtum, *Mill.* South-west Europe.

H. hispidum, *Dunal.*

H. majoranaefolium, *DC.*

H. italicum, *Pers.* Europe.

Var. oelandicum, *DC.*; Sweet Cistineae t. 85.

Cistus oelandicus, *L.*

*H. leptophyllum, *Dunal.* Spain.

H. Libanotis, *Willd.* Spain, Portugal.

H. rosmarinifolium, *Hort.*

Halimium rosmarinifolium, *Spach.*

H. ocymoides, *Pers.*; Sweet Cistineae tt. 40, 13. Spain, Portugal.

H. algarvense, *Dunal.*

Cistus ocymifolium, *Pourr.*

H. origanifolium, *Pers.* Europe.

H. marifolium, *Dunal.*

H. polifolium, *Pers.*; Sweet Cistineae t. 88. Europe.

H. apenninum, *DC.*; Sweet Cistineae t. 62.

Cistus appeninus, *L.*

H. rubellum, *Presl.* Western Mediterranean Region.

H. hymettium, *Boiss. & Heldr.*

H. umbellatum, *Mill.*; Sweet Cistineae t. 5. Mediterranean Region.

Halimium umbellatum, *Spach.*

Var. **syriacum.**

H. syriacum, *Boiss.*

***H. velutinum**, *Pomel.* Algeria.

H. vineale, *Pers.*; Sweet Cistineae t. 77. Europe, Asia Minor.

H. canum, *Dunal*; Sweet Cistineae t. 56.

H. marifolium, *DC.*

H. piloselloides, *Billot.*

H. pulchellum, *Sweet* Cistineae t. 74.

Cistus anglicus, *L.*

C. marifolius, *Sm.*

H. vulgare, *Gaertn.*; Engl. Bot. ed. 3, t. 168. Europe, "Rock Rose."

Var. **crocatum.**

H. hyssopifolium crocatum, *Sweet* Cistineae t. 92.

Var. **croceum.**

H. croceum, *Sweet* Cistineae t. 53.

Var. **croceum flore pleno.**

Var. **cupreum.**

H. hyssopifolium cupreum, *Sweet* Cistineae t. 58.

Var. **diversifolium multiplex.**

H. diversifolium multiplex, *Sweet* Cistineae t. 98.

Var. **hyssopifolium multiplex.**

H. hyssopifolium multiplex, *Sweet* Cistineae t. 72.

Var. **mutabile.**

H. mutabile roseum, *Sweet* Cistineae t. 106.

H. vulgare—*cont.*

Var. rhodanthum.

H. rhodanthum, *Sweet* Cistineae t. 7.

Var. roseum.

H. rhodanthum roseum, *Hort.*

H. roseum, *Sweet* Cistineae t. 55.

Var. roseum multiplex.

H. roseum multiplex, *Sweet* Cistineae t. 86.

Var. serpyllifolium.

H. serpyllifolium, *Sweet* Cistineae t. 60.

Var. stramineum.

H. stramineum, *Sweet* Cistineae t. 93.

Var. surrejanum.

H. surrejanum, *Mill.*; Sweet Cistineae t. 28.

H. rosmarinifolium, *Hort.*

Var. venustum.

H. venustum, *Sweet* Cistineae t. 10.

Violaceae.

Hymenanthera crassifolia, *Hook. f.*; Gard. Chron. 1875, iii. 237. f. 42. New Zealand.

Bixaceae.

*Azara dentata, *Ruiz & Pav.*; Bot. Reg. t. 1788. Chili.

*A. Gilliesii, *Hook & Arn.*; Bot. Mag. t. 5178. Chili.

Quillaia petiolaris, *D. Don.*

*A. integrifolia, *Ruiz & Pav.* Chili.

Var. variegata.

A. microphylla, *Hook. f.* Gard. Chron. 1874, i. 81 f. 21. Chili.

Myrtophyllum chilense, *Turcz.*

Idesia polycarpa, *Maxim.*; Bot. Mag. t. 6794. China and Japan.

Flacourtia japonica, *Hort.*

Polycarpa Maximowiczii, *Hort.*

Poliothyrsis sinensis, *Oliv.* Hook. Icon. Plant. t. 1885. China.

Pittosporaceae.

***Pittosporum crassifolium**, *Soland.*; Bot. Mag. t. 5978. New Zealand. "Kars."

P. Ralphii, *T. Kirk.*

***P. tenuifolium**, *Banks & Soland.*; Kirk Forest Flora t. 46. New Zealand.

***P. Tobira**, *Ait.*; Bot. Mag. t. 1396. China and Japan.

P. chinense, *Donn.*

***P. undulatum**, *Vent.*; Bot. Reg. t. 16. Australia.

***Bursaria spinosa**, *Cav.*; Bot. Mag. t. 1767. Australia.

Azara lanceolata, *Hort.*

Itea spinosa, *Andr.* Bot. Rep. v. t. 314.

Polygalaceae.

Polygala Chamaebuxus, *L.*; Bot. Mag. t. 316. Alps.

Chamaebuxus alpestris, *Spach.*

Var. purpurea.

Frankeniaceae.

Frankenia laevis, *L.*; Engl. Bot. ed. 3, t. 190. Europe. "Sea-Heath."

Tamaricaceae.

Tamarix anglica, *Webb.* Sea shores of Western Europe. "Tamarisk."

T. chinensis, *Lour.* China and Japan.

T. gallica *var.* chinensis, *Ehrenb.*

T. japonica, *Hort.*

T. plumosa, *Hort.*

T. gallica, *L.* Mediterranean region.

T. hispida, *Willd.* var. **kashgarica.** Gard. Chron 1897, xxii. 337, f. Western Asia.

T. hispida, *Willd.*; Rev. Hort. 1894, 352, pl.

T. kashgarica, *Hort.*

T. Pallasii, *Desv.* Eastern Europe to Afghanistan.

T. caspica, *Hort.* (in part).

T. gallica, *Hort.* (not *L.*).

T. odessana, *Hort.*

Var. **macrostemon**, *Bunge.*

Var. **moldavica**, *Bunge.*

T. indica, *Hort.* (in part).

Var. **rosea.**

T. hispida *var.* aestivalis, Rev. Hortic. 1901, 379, f. 158.

T. tetrandra, *Pall.* Mediterranean region, Eastern Europe, &c.

T. africana, *Bory & Chaub.* (not *L.*).

T. algeriensis, *Hort.*

T. caspica, *Hort.* (in part).

T. chinensis, *Hort.* (not *Lour.*).

T. parviflora, *Hort.* (not *DC.*).

Myricaria germanica, *Desv.* Europe, &c.

M. dahurica, *Hort.*

Tamarix germanica, *L.*; Flora Danica ii. t. 234.

Hypericaceae.

Ascyrum hypericoides, *L.*; Britt. & Br. Illustr. Fl. ii. 428, f. United States, &c. "St. Andrew's Cross."

A. Crux-andrea, *L.*

Hypericum adpressum, *Barton.* Eastern United States.

H. fastigiatum, *Ell.*

***H. aegyptiacum**, *L.*; Bot. Mag. t. 6481. South Mediterranean Region.

H. Androsaemum, *L.*; Engl. Bot. ed. 3, t. 264. Europe. "Tutsan."

H. arborescens, *Hort.*

H. caprifolium, *Hort.* (not *Boiss.*).

H. glandulosum, *Hort.* (not *Ait.*).

H. webbianum, *Hort.* (not *Spach*).

Androsaemum officinale, *L.*

Var. **aureum**, *Hort.*

H. hircinum aureum, *Hort.*

H. Ascyron, *L.*; Gartenflora t. 1381. Northern Asia, North America.

H. ascyroides, *Willd.*

H. macrocarpum, *Michx.*

H. pyramidatum, *Ait.*

H. aureum, *Bartr.*; Garden and Forest 1889, ii. 184, f. 103. South United States.

H. amoenum, *Pursh.*

H. frondosum, *Michx.*

H. rugelianum, *Kunze.*

***H. balearicum**, *L.*; Bot. Mag. t. 137. Mediterranean Region.

H. Buckleii, *M. A. Curtis.* Mountains of North and South Carolina and Georgia.

H. Buckleyi, *S. Wats.*; Garden and Forest, 1891, iv. 581, f. 91.

H. calycinum, *L.*; Bot. Mag. t. 146. Orient. "Tutsan."

Eremanthe calycina, *Spach.*

***H. chinense**, *L.*; Gard. Chron. 1887, i. 705, f. 135. China and Japan.

H. aureum, *Lour.* (not *Bartr.*).

H. monogynum, *L.*; Bot. Mag. t. 334.

H. salicifolium, *Sieb. & Zucc.*

Norysca aurea, *Blume.*

N. chinensis, *Spach.*

***H. Coris**, *L.*; Bot. Mag. t. 6563. Central and Southern Europe.

H. densiflorum, *Pursh.*; Garden and Forest 1890, iii. 527, f. 67. North America.

H. fasciculatum, *Hort.* (not *Lam.*).

H. galioides, *Pursh* (not *Lam.*).

H. prolificum *var.* densiflorum, *A. Gray.*

H. elatum, *Ait.*; Engl. Bot. ed. 3, t. 265. Canaries.

H. glandulosum, *Hort.*

H. grandifolium, *Choisy.*

H. hircinum, *Hort.* (not *L.*).

H. multiflorum, *Hort.* (not *H.B.K.*).

H. platyphyllum, *Hort.*

Androsaemum foliosum, *Ait.*

A. parviflorum, *Spach.*

A. pyramidale, *Spach.*

A. webbianum, *Spach.*

*H. empetrifolium, *Willd.*; Bot. Mag. t. 6764. Greece, &c.
H. multicaule, *Lam.*
H. Coris, *Sibth.* Fl. Graeca t. 777 (not *L.*)

H. erectum, *Thunb.* Japan.

H. galioides, *Lam.*; Gard. and Forest 1897, 433, f. 55. South-eastern United States.
H. axillare, *Lam.* (not *Michx.*).

H. hircinum, *L.*; Engl. Bot. ed. 3, t. 266. Europe, &c.
H. anglicum, *Hort.* (not *Bertol.*).
H. chinense, *Hort.* (not *L.*).

H. hookerianum, *Wight & Arn.* Himalaya.
H. oblongifolium, *Choisy*; Bot. Mag. t. 4949.
*Var. Leschenaultii, *Dyer.* Sikkim, Nepaul, Java.
H. Leschenaultii, *Choisy.*
H. triflorum, *Blume.*

H. inodorum, *Mill.* Orient.
H. ramosissimum, *Ledeb.*
Androsaemum xylosteifolium, *Jaub. & Spach* Illustr. Plant. Or. t. 38.

H. kalmianum, *L.*; Garden and Forest 1890, 113. North America.

H. lobocarpum, *Gatting*; Garden and Forest 1897, 453. South United States.

H. moserianum, Rev. Hort. 1889, 464. (calycinum × patulum.) Garden origin.

H. nudiflorum, *Michx.* Southern United States.
H. cistifolium, *Coulter* (not *Lam.*).

H. patulum, *Thunb.*; Bot. Mag. t. 5693. India, China, &c.
H. Gumbletoni, *Hort. Segrez.*
H. oudinense, *Hort.*

H. prolificum, *L.*; Loud. Arb. i. 401, v. 2541, f.; Garden and Forest 1890, 526. North America.

H. kalmianum, *Hort.* (not *L.*).

H. foliosum, *Jacq.*

Myriandra prolifica, *Spach.*

H. uralum, *D. Don.*; Bot. Mag. t. 2375. Himalaya.

H. nepalense, *Hort.*

Ternstroemiaceae.

***Cleyera ochnacea**, *DC.* Himalaya, China, and Japan.

C. japonica, *Sieb. & Zucc.* Fl. Jap. 153, t. 81 (not *Thunb.*).

***Var. variegata.**

***C. Fortunei**, *Hook. f.* Bot. Mag. t. 7434.

C. japonica foliis variegatis, *Hort.*

Eurya latifolia variegata, *Hort.*

Eurya japonica, *Thunb.*; Fl. Jap. 191, t. 25. India, China, and Japan.

***Actinidia arguta**, *Planch.* Japan.

Trochostigma arguta, *Sieb. & Zucc.*

***A. callosa**, *Lindl.* Amur, China, and Japan.

A. chinensis, *Planch.*; Hook. Icon. Plant. t. 1593. China.

***A. Kolomikta**, *Rupr.*; Rev. Hort. 1872, 395, f. 43. Amur, China and Japan.

Kolomikta mandschurica, *Regel.*

***A. polygama**, *Sieb. & Zucc.*; Tokio Hort. Bot. ii. t. 20. Japan.

Trochostigma polygama, *Sieb. & Zucc.*

*A. volubilis, *Franch. & Sav.*; Lavallée Arbor. Segrez. Ic. xxv. Japan.

Trochostigma volubile, *Sieb. & Zucc.*

Stachyurus praecox, *Sieb. & Zucc.*; Bot. Mag. t. 6631. China and Japan.

Stuartia pentagyna, *L'Hérit.*; Bot. Mag. t. 3918. South United States.

Stuartia montana, *Bartr.*

Malachodendron ovatum, *Cav.*

M. pentagynum, *Chois.*

Stewartia Malachodendron, *Miller.*

S. Pseudo-camellia, *Maxim.*; Bot. Mag. t. 7045. Japan.

S. grandiflora, *Briot* Rev. Hort. 1879, 430, t.

S japonica, *Hort.*

S. virginica, *Cav.* South United States.

S. Malachodendron, *L.*

S. marylandica, *Donn*; Andr. Bot. Rep. vi. t. 397.

*Gordonia Lasianthus, *L.*; Bot. Mag. t. 668. South United States. "Loblolly Bay."

G. pyramidalis, *Salisb.*

*G. pubescens, *L'Hérit.*; Loud. Arbor. i. 380, f. 94. South United States.

Franklinia Altamaha, *Marsh.*

Gordonia Altamaha, Sargent Silva of North America t. 22.

G. Franklini, *L'Hérit.*

Lacathea florida, *Salisb.*

Michauxia sessilis, *Salisb.*

Camellia japonica, *Sieb. & Zucc.* Japan.

Many garden varieties.

*Camellia Thea, *Link.* Assam, &c.

C. theifera, *Griff.*

Thea assamica, *Mast.*

T. chinensis, *Sims* Bot. Mag. t. 998.

Malvaceae.

Lavatera arborea, *L.*; Eng. Bot. ed. 3, t. 279. Europe, &c. "Tree Mallow."

Plagianthus Lyalli, *Hook. f.*; Bot. Mag. t. 5935. New Zealand. "Whau-whi."

*P. betulinus, *A. Cunn.* New Zealand.

*P. Lampeni, *Booth*; Gard. Chron. 1884, xxii. 200, f. 39. Tasmania.

P. pulchellus *A. Gray var.* tomentosa.

*P. pulchellus, *A. Gray.* Australia.

*Abutilon vitifolium, *DC.*; Bot. Reg. xxx. t. 57. Chili.

*A. megapotamicum, *St. Hil.*; Flore des Serres t. 1599. Brazil, &c.

A vexillarium, *Morr.*; Bot. Mag. t. 5717.

Hibiscus syriacus, *L.*; Bot. Mag. t. 83. Orient.

Althaea Frutex, *Hort.*

Many garden varieties.

Sterculiaceae.

*Sterculia platanifolia, *L.* China and Japan.

S. tomentosa, *Thumb.*; Icon. Plant. Japan. decas iv. t. 8.

S. Mariesii, *Hort.*

*Fremontia californica, *Torr.*; Bot. Mag. t. 5591; Sargent Silva of North America t. 23. California.

Tiliaceae.

Grewia parviflora, *Bunge*; Gartenfl. 1889, 601, f. 88. China.

Tilia americana, *L.*; Loud. Arbor. i. 373, t. 22; Sargent Silva of North America tt. 24, 25. North America. "Basswood."

T. canadensis, *Michx.*

T. caroliniana, *Mill.*

T. glabra, *Vent.*

T. latifolia, *Salisb.*

T. longifolia dentata, *Hort.*

T. mississipiensis, *Hort.*

T. neglecta, *Spach.*

T. nigra, *Borkh.*

T. pubescens, *Nouv. Duhamel* (not *Ait.*).

T. argentea, *Desf.*; Reichb. Fl. Germ. 6, 324. East Europe. "White Lime."

T. alba, *Hort.* in part (not *Ait.*)

T. americana pubescens, *Hort.*

T. europaea alba, *Hort.*

T. heterophylla, *Hort.* in part (not *Vent.*)

T. pubescens Parmentieri, *Hort.*

T. rotundifolia, *Vent.*

T. tomentosa, *Moench.*

T. cordata, *Mill.* Europe, North Asia.

T. microphylla, *Vent.*

T. parvifolia *Ehrh.*; Engl. Bot. ed. 3, t. 287.

T. sylvestris, *Desf.*

T. ulmifolia, *Scop.*; Garden and Forest 1889, 257, f. 111.

Var. japonica.

T. dasystyla, *Stev.* Caucasus.

T. euchlora, *C. Koch.*

T. flavescens, *R. Br.* (americana × cordata). Garden origin.

T. henryana, *Szyszy.*; Hook. Ic. Plant. t. 1927. China.

T. heterophylla, *Vent.*; Sargent Silva of North America t. 27. South-eastern United States. "Bee-Tree, White Basswood."

T. alba, *Michx.*

T. americana, *var.* heterophylla; *Loud.* Arbor. i. 375, t. 23.

T. laxiflora, *Pursh.* (not *Michx.*).

T. macrophylla, *Hort.*

T. mandschurica, *Rupr.* Mandshuria.

T. miqueliana, *Maxim.*; Garden and Forest 1893, vi. 113, f. 19. Japan.

T. mongolica, *Maxim.* Enum. Plant. Mongol. 118, t. 11. Southern Mongolia.

T. orbicularis, *Jouin.* (petiolaris × euchlora). Garden origin.

T. petiolaris, *DC.*; Bot. Mag. t. 6737. East Europe.

T. alba, *Koehne*: *Dippel* (not *Ait.*).

T. alba pendula, *Hort.*

T. americana *var.* pendula, *C. Koch.*

T. argentea pendula, *Hort.*

T. heterophylla, *Hort.* in part (not *Vent.*).

T. latifolia alba, *Hort.*

T. pannonica, *Jacq. f.*

T. Parmentieri pendula, *Hort.*

T. platyphylla pendula *Hort.*

T. platyphyllos, *Scop.*; Garden and Forest 1889, 256, f. 109. Europe.

T. cordifolia, *Bess.*

T. europaea, *L.* (in part).

T. grandifolia, *Ehrh.*

T. mollis, *Spach.*

T. mutabilis, *Host.*

T. neglecta, *Hort.* (not *Spach*).

T. pauciflora, *Hayne.*

Var. **aspleniifolia.**

T. laciniata, *Hort.*

T. grandifolia laciniata, *Hort.*

Var. **aurantia.**

T. europaea aurantia, *Hort.*

T. europaea aurea, *Hort.*

Var. **corallina**, *Ait.*

T. corallina, *Sm.*

T. spectabilis, *Host.*

Var. **filicifolia nova**, *Hort.*

Var. **obliqua.**

T. Beaumontii, *Hort.*

T. Hostii, *Ortm.*

T. obliqua, *Host.*

Var. **oxycarpa.**

T. cordifolia *var.* oxycarpa, *Reichb*

T. europaea glauca, *Hort.*

Var. **pyramidalis**, *Hort.*

Var. **pyramidalis aurea**, *Hort.*

Var. **sphaerocarpa.**

T. cordifolia *var.* sphaerocarpa, *Reichb.*

T. platyphyllos—*cont.*

Var. **tortuosa**, *Bean.*

Var. **vitifolia.**

T. vitifolia, *Host.*

T. grandifolia *var.* vitifolia, *Kuntze.*

T. pubescens, *Ait.*; Sargent Silva of North America t. 26. East United States.

T. americana, *Walt.* (not *L.*).

T. americana *var.* pubescens, *Loud.*

T. americana *var.* Walteri, *Wood.*

T. grata, *Salisb.*

T. hybrida superba, *Hort.*

T. laxiflora, *Michx.*

T. truncata, *Spach.*

T. spectabilis, *Dippel.* (petiolaris × americana). Garden origin.

T. blechiana, *Arbor. Zoesch.*

T. alba spectabilis, *Hort.*

T. sublanata, *Simk. var.* variegata. (T. platyphyllos × superulmifolia.) East Europe.

T. europaea, *Hort.*

T. vulgaris, *Hayne*; Garden and Forest 1889, ii. 256, f. 110. Europe. "Common Lime."

T. corylifolia, *Host.*

T. europaea, *L.* (in part).

T. glauca, *Hort.*

T. hollandica, *Mill.*

T. intermedia, *Ehrh.*

T. hybrida, *Bechst.*

Var. **caucasica.**

T. intermedia *var.* caucasica.

T. parvifolio-grandifolia. *Bayer.*

***Aristotelia Macqui,** *L'Hérit.* ; Gard. Chron. 1875, iv. 773. Chili.

Var. **variegata.**

***A. racemosa,** *Hook. f.* ; Kirk Forest Flora of New Zealand t. 113. New Zealand. "Makomako."

Linaceae.

Linum arboreum, *L.* ; Bot. Mag. t. 234. Greece, &c. "Tree Flax."

Rutaceae.

Ruta graveolens, *L.* ; Bentl. & Trim. Med. Pl. t. 44. South Europe, &c. "Common Rue."

Var. **variegata.**

Choisya ternata, *H.B.K.* ; Gard. Chron. 1890, vii. 465, Mexico.

C. grandiflora, *Regel* Gartenfl. t. 876.

***Zanthoxylum ailanthoides,** *Sieb. & Zucc.* Japan and Formosa.

***Z. alatum,** *Roxb.* India.

Z. americanum, *Mill.* ; Britt. & Br. Illust. Fl. ii. 353, f. United States. "Prickly Ash, Toothache Tree."

Z. fraxineum, *Willd.* ; Loud. Arbor. i. 488, f. 158.

Z. fraxinifolium, *Marsh.* (not *Walt.*).

Z. ramiflorum, *Michx.*

Z. Bungei, *Planch.* China.

Z. piperitum, *DC.* China and Japan.

Z. planispinum, *Sieb. & Zucc.* Japan.

Z. schinifolium, *Sieb. & Zucc.* Japan.

Phellodendron amurense, *Rupr.* Amurland, &c.
Zanthoxylum piperitum, *Hort.* (not *Sieb. & Zucc.*).

P. japonicum, *Maxim.* Japan.

Ptelea Baldwinii, *Torr. & Gray.* Northern California, &c.
P. angustifolia, *Benth.*

P. trifoliata, *L.*; Gard. Chron. 1880, xiii. 369, f. 67; Sargent Silva of North America tt. 33, 34. United States. "Hop Tree."

Var. **aurea.**

Var. **fastigiata.**

Var. **glauca.**

Var. **heterophylla.**

Var. **mollis.**
P. mollis, *Curt.*

Skimmia Fortunei, *Mast.* China.
S. japonica, *Hort.*; Bot. Mag. t. 4719 (not *Thunb.*).
S. rubella, *Carr.*

S. japonica, *Thunb.*; Gard. Chron. 1889, v. 521, f. 89; 524, f. 90. Japan.
S. oblata, *Moore.*

Var. **obovata.**

Var. **variegata.**

Seedling varieties or sexual forms of this are :—

S. fragrans, *Carr.*
S. fragrantissima, *Hort.*
S. Foremani, *Hort.*; Gard. Chron. 1889, v. 553, f. 94.
S. intermedia, *Carr.*
S. oblata *var.* ovata, *Carr.*

S. japonica—*cont.*

S. oblata *var.* speciosa, *Hort.*

S. oblata *var.* Veitchii, *Carr.*

S. Rogersii, *Hort.*

S. Laureola, *Hook. f.* Himalaya.

S. aromatica, *Hort.*

Laureola fragrans, *Roem.*

Limonia Laureola, *Wall.*

Ægle sepiaria, *DC.* China and Japan.

Citrus trifolia, *Thunb.*

C. trifoliata, *L.*; Bot. Mag. t. 6513.

Limonia trifoliata, *Hort.*

Pseudaegle sepiaria, *Miq.*

Triphasia trifoliata, *Hort.*

Simarubaceae.

Ailanthus glandulosa, *Desf.*; Gard. Chron. 1887, ii. 365, f. 76. China. "Tree of Heaven."

A. japonica, *Hort.*

A. macrophylla, *Hort.*

A. purpurascens, *Hort.*

A. rubra, *Hort.*

Var. pendula.

*Cneorum tricoccum, *L.* Mediterranean Region.

*Picrasma quassioides, *Benn.* Himalaya, China and Japan.

P. ailantoides, *Planch.*

Meliaceae.

Cedrela sinensis, *A. Juss.*; Rev. Hort. 1891, 573, ff. 150–2. China and Japan.

Ailanthus flavescens, *Carr.*

Cedrela chinensis, *Karel.*

Toona sinensis, *Roem.*

Aquifoliaceae.

Ilex ambigua, *Chapm.*; Loud. Arbor. ii. 521, f. 190. South United States.

Cassine caroliniana, *Walt.*

Nemopanthus ambiguus, *Wood.*

Prinos ambiguus, *Michx.*

I. Amelanchier, *Curtis*; Garden and Forest 1889, 41, f. 88. South United States.

Prinos lanceolata, *Pursh.*

I. Aquifolium, *L.*; Engl. Bot. ed. 3, t. 316. Europe, Western Asia. "Common Holly."

Aquifolium spinosum, *Gaertn.*

Var. **albo-lineata.**

Var. **altaclarensis.**

Var. **angustifolia.** Gard. Chron. 1874, ii. 751, f. 154.

myrtifolia stricta.

serratifolia.

Var. **angustifolia variegata.**

Var. **argentea longifolia.**

Var. **argentea marginata.**

albo-marginata.

argentea lato-marginata.

variegata argentea.

I. Aquifolium—*cont.*

Var. **argentea medio-picta.** Gard. Chron. 1875, iv. 688, f. 142. "Silver Milkmaid."

albo-picta.

Var. **argentea pendula.** "Perry's Weeping."

albo-marginata pendula.

pendula argentea purpurea.

pendula variegata.

Var. **argentea regina.** Gard. Chron. 1875, iv. 687, f. 141. "Silver Queen."

Var. **atrovirens.**

maderensis atrovirens.

Var. **aurea angustifolia.** Gard. Chron. 1876, v. 44, f. 6.

angustifolia aurea marginata.

Var. **aurea marginata.**

marginata aurea.

Var. **aurea marginata bromeliaefolia.** Gard. Chron. 1876, v. 437, f. 84.

bromeliaefolia aureo-marginata.

Var. **aurea medio-picta.** Gard. Chron. 1876, v. 336, f. 68 69. "Gold Milkmaid."

aureo-picta.

Var. **aurea pendula.** "Waterer's Gold Weeping."

pendula aurea variegata.

Var. **aurea regina.** Gard. Chron. 1876, v. 44, f. 8. "Golden Queen."

Var. **aurea vestita.**

Var. **balearica.**

Var. **calamistrata.**

I. Aquifolium—*cont.*

Var. **camelliaefolia.** Gard. Chron. 1874, ii. 812, f. 164, b.
laurifolia longifolia.

Var. **ciliata.** Gard. Chron. 1874, ii. 752, f. 153.

Var. **ciliata major.** Gard. Chron. 1874, ii. 752, f. 151.

Var. **Cookii.**

Var. **crassifolia.** Gard. Chron. 1874, ii. 752, f. 152.
serrata.

Var. **crispa.**

Var. **crispa picta.**

Var. **donningtonensis.** Gard. Chron. 1874, ii. 687, f. 138. (2, 3).

Var. **elliptica.**
flammea angustifolia.

Var. **ferox.** "Hedgehog Holly."
echinata.

Var. **ferox argentea.** Gard. Chron. 1876, v. 43, f. 9.
ferox argentea variegata.

Var. **ferox aurea.** Gard. Chron. 1876, v. 616, f. 117.
ferox aurea picta.
ferox foliis aureis.

Var. **Fisheri.**

Var. **flavescens.** "Moonlight."

Var. **Foxii.** Gard. Chron. 1874, ii. 752, f. 150.

Var. **fructu-luteo.**
flava.

Var. **handsworthensis.** Gard. Chron. 1875, iv. 741, f. 150. "Handsworth New Silver."
argentea longifolia.
handsworthensis argentea variegata.

I. Aquifolium—*cont.*

Var. **Hendersoni.** Gard. Chron. 1874, ii. 752, f. 148.

Var. **heterophylla.** Gard. Chron. 1874, ii. 520, f. 105, 2.
heterophylla major.
Aquifolium *forma* kewensis, *Loesener.*

Var. **Hodginsii.**
Shepherdii.

Var. **integrifolia.** Gard. Chron. 1874, ii. 812, f. 164, e.
rotundifolia.
senescens.

Var. **latifolia aureo-marginata.**

Var. **latispina.** Gard. Chron. 1874, ii. 812, f. 164, f.

Var. **latispina major.**

Var. **latispina minor.**

Var. **lawsoniana.** Gard. Chron. 1876, v. 624, f. 110.
lawsoniana variegata.

Var. **lawsoniana aureo-picta.**

Var. **lutescens.**

Var. **maderensis atrovirens.**

Var. **maderensis variegata.**

Var. **marginata,** *Loud.*; Gard. Chron. 1874, ii. 812, f. 164, g.
contorta.

Var. **Marnockii.**

Var. **monstrosa.**

Var. **Mundyi.**

Var. **myrtifolia.** Gard. Chron. 1874, ii. 687, f. 138, 4.

I. Aquifolium—*cont.*

Var. **myrtiflora aurea.**

Var. **nigrescens.**

Var. **nobilis.** Gard. Chron. 1874, ii. 432, f. 89.
Urquharti.

Var. **obscura.**

Var. **ovata.** Gard. Chron. ii. 1874, ii. 752, f. 149.

Var. **pendula.**

Var. **pendula tricolor.**

Var. **platyphylla.**

I. Perado, *Webb. & Berth.* (not *Ait.*).

Var. **recurva.** Gard. Chron. 1874, ii. 687, f. 138, 6.
serratifolia compacta.
tortuosa.

Var. **scotica.** Gard. Chron. 1874, ii. 812, f. 164, a.
I. Dahoon, *Hort.* (not *Walt.*).

Var. **scotica aurea.**

Var. **smithiana.** Gard. Chron. 1874, ii. 520, f. 106.

Var. **tortuosa.**

Var. **watereriana.** Gard. Chron. 1874, ii. 232, f. 49.
aurea pumila.
compacta aurea.
nana aurea.
nana aurea variegata.

Var. **whittingtonensis.** Gard. Chron. 1874, ii. 687, f. 138, 1.

Var. **Wilsonii.**

I. **Cassine**, *Walt.* South United States. "Cassena."

I. florida, *Lam.*

I. ligustrina, *Jacq.*

I. religiosa, *Bartr.*

I. vomitoria, *Ait.*

Cassine caroliniana, *Lam.*

C. Peragua, *L.*

I. **cornuta**, *Lindl. & Paxt.*; Bot. Mag. t. 5059. China.

I. furcata, *Hort.*

I. **crenata**, *Thunb.* Japan.

Var. **major.**

Ilex Fortunei, *Hort.* (not *Lindl.*).

Var. **Mariesii.**

Iris Mariesii, *Hort. Veitch.*

Var. **variegata.**

*I. **Dahoon**, *Walt.*; Loud. Arbor. ii. 517, f. 184. South United States.

I. cassinoides, *Link.*

I. laurifolia, *Nutt.*

I. **decidua**, *Walt.*; Gard. Chron. 1880, xiv. 689; f. 129. Sargent Silva of North America t. 49. South United States.

I. aestivalis, *Lam.*

I. prinoides, *Ait.*; Wats. Dendr. Brit. ii. t. 115.

Prinos deciduus, *DC.*

I. **dipyrena**, *Wall.*; Brandis Forest Flora t. 15. Himalaya. "Himalayan Holly."

I. **glabra**, *A. Gray*; Britt. & Br. Illustr. Fl. ii. 391, f. Eastern United States. "Inkberry."

Prinos glaber, *L.*; Lodd. Bot. Cab. t. 450.

I. integra, *Thunb.* China and Japan.

I. Aquifolium Bessoni, *Hort.*

I. integrifolia, *Hort.*

Othera japonica, *Hort.*

I. laevigata, *A. Gray*; Garden and Forest 1891, 221. Eastern United States.

Prinos laevigatus, *Pursh*; Wats. Dendr. Brit. i. t. 28.

I. latifolia, *Thunb.*; Bot. Mag. t. 5597. Japan. "Toraia."

I. magnoliaefolia, *Hort.*

I. Tarajo, *Hort.*

I. macropoda, *Miq.* Japan.

I. opaca, *Ait.*; Sargent Silva of North America t. 45; Wats. Dendr. Brit. i. t. 3. Eastern United States. "American Holly."

I. canadensis, *Marsh.* (not *Hort.*).

I. laxiflora, *Lam.*

I. quercifolia, *Meerb.*

I. pedunculosa, *Miq.* Japan.

*I. Perado, *Ait.*; Lodd. Bot. Cab. t. 549. Azores.

I. Pernyi, *Franch.*; Hook. Icon. Plant. t. 1539. China.

I. rugosa, *F. Schmidt* Reisen im Amurlande, 122, t. 3, N.E. Asia.

I. Sieboldi, *Miq.* Japan.

Var. fructu albo.

I. verticillata, *A. Gray.* North America. "Black Alder, Winterberry."

Prinos canadensis, *Hort.*

P. confertus, *Moench.*

P. Gronovii, *Michx.*

I. verticillata—*cont.*

P. padifolius, *Hort.*

P. prunifolius, *Hort.*

P. verticillatus, *L.*; Wats. Dendr. Brit. i. t. 30.

Var. **chrysocarpa**, *Robinson.*

Nemopanthus canadensis, *DC.* Canada, &c. "Mountain Holly."

Ilex canadensis, *Michx.*

I. delicatula, *Bartr.*

Ilicioides mucronata, *Britton*; Britt. & Br. Illustr. Fl. ii. 393, f.

Prinos integrifolius, *Elliott.*

Cyrillaceae.

Cyrilla racemiflora, *L.*; Sargent Silva of North America. t. 51. South United States. "Leatherwood."

C. caroliniana, *Michx.*

C. racemosa, *Loud.*

Andromeda plumata, *Bartr.*

Itea Cyrilla, *Sw.*

***Cliftonia ligustrina**, *Banks.* Florida and Georgia. "Titi."

Mylocarpum ligustrinum, *Willd.*; Bot. Mag. t. 1625.

Celastraceae.

Euonymus alatus, *Thunb.*; Regel Fl. Ussur. t. 7, f. 1–4. Japan, &c.

E. americanus, *L.*; Nouv. Duhamel iii. t. 9. United States. "Strawberry Bush."

Var **angustifolius.**

Var. **pendulus.**

E. atropurpureus, *Jacq.*; Sargent Silva of North America t. 53. Eastern North America. "Burning Bush."

E. americanus, *Hort.* (not *L.*).

E. macrocarpus, *Hort.*

E. bungeanus, *Maxim.* China.

E. micranthus, *Bunge.*

E. europaeus, *L.*; Eng. Bot. ed. 3, t 317. Europe, Western Siberia. "Spindle-Tree."

E. vulgaris, *Scop.*

Var. **atropurpureus**, *Hort.*

E. purpureus, *Hort.*

Var. **aucubaefolius**, *Hort.*

Var. **foliis argenteo-variegatis.**

Var. **foliis aureo-variegatis.**

Var. **fructu albo.**

Var. **fructu violaceo.**

Var. **ovatus.**

Var. **pallidus.**

E. hamiltonianus, *Wall.* Japan, &c.

E. japonicus, *Thunb.* China and Japan.

Var. **albo-marginatus.**

Var. **aureus.**

Var. **latifolius albo-variegatus.**

Var. **macrophyllus.**

E. robustus, *Hort.*

Var. **microphyllus**, *Hort.*

Eurya microphylla, *Hort.*

Var. **ovatus aureus.**

Var. **pulchellus foliis argenteis.**

E. latifolius, *Scop.*; Bot. Mag. t. 2384. Europe, Asia.

E. Maackii, *Rupr.* Amurland.

E. macropterus, *Rupr.* Maxim. Flora Tangutica t. 19, f. 11. Amurland.

E. nanus, *Bieb.* Caucasus, &c.

E. americanus angustifolius, *Hort.*

E. angustifolius, *Hort.* (not *Pursh*).

E. angustifolius pulchellus, *Hort.*

E. Lilieurii, *Hort.*

E. linifolius, *Hort.*

E. rosmarinifolius, *Hort.*

Var. **compactus**, *Hort.*

Var. **Koopmanni.**

E. Koopmanni, *Lauche*; Wittmack Garten-Zeitung 1883, 112, t. [3], f. 2.

Var. **variegatus**, *Hort.*

E. obovatus, *Nutt.*; Garden and Forest 1896, 385, f. 51. Canada, Northern and Central United States.

E. americanus *var.* obovatus, *Torr. & Gray.*

E. oxyphyllus, *Miq.* China and Japan.

E. latifolius, *A. Gray* (not *Scop.*).

***E. pendulus**, *Wall.* Himalaya.

E. fimbriatus, *Hort.* (not *Wall.*); Flore des Serres vii. 1851, 71.

E. radicans, *Sieb. & Zucc.* Japan.

Var. **Carrièrei.**

E. Carrièri, *Vauvel.* Rev. Hort. 1885, 295. (E. repens, *Carr.* Rev. Hort. 1885, 295, is a branch sport of this form.)

E. radicans—*cont.*

Var. foliis pictis.

Var. foliis roseo-argenteis.

Var. foliis tricoloribus.

Var. microphyllus.

Var. Silver Gem.

Var. viridis.

E. sieboldianus, *Blume.* China and Japan.

E. thunbergianus, *Blume.* Amurland, Japan, &c.
E. subtriflorus, *Blume.*

E. verrucosus, *Scop.*; Nouv. Duhamel iii. t. 8. East Europe to Amurland.

Pachystima Canbyi, *A. Gray*; Meehan The Native Flowers . . . of the United States i. t. 44. North Carolina and Virginia.

P. Myrsinites, *Rafin.* Western North America.
Myginda myrtifolia, *Nutt.*; Hook. Flora Boreali-Americana i. 120, t. 41.

Celastrus articulatus, *Thunb.*; Garden and Forest 1890, 551, f. 73. China and Japan.
C. orbiculatus, *Lam.*
C. Orixa, *Hort.* (not *Sieb. & Zucc.*).
C. punctatus, *Thunb.*

C. hypoglaucus, *Hemsl.* Central China.

C. latifolius, *Hemsl.* Central China.

C. Orixa, *Sieb. & Zucc.* Japan.
Celastrus japonica, *C. Koch.*
Evodia ramiflora, *A. Gray.*
Orixa japonica, *Thunb.*; Gartenflora t. 1232.

C. scandens, *L.*; Loud. Arbor. ii. 502, f. 171. North America. "Staff-tree, Wax-work."

C. bullatus, *L.*

C. serratus, *Hochst.* Abyssinia.

Maytenus chilensis, *DC.* Chili.

Rhamnaceae.

Paliurus australis, *Gaertn.* South Europe. "Christ's Thorn."

P. aculeatus, *Lam.*; Nouv. Duhamel iii. 17.

Zizyphus vulgaris, *L.*; Sibth. Fl. Graeca t. 241. South-eastern Europe to Afghanistan. "Jujube."

Berchemia racemosa, *Sieb. & Zucc.* Japan.

Var. **variegata.**

B. volubilis, *DC*; Loud. Arbor. ii. 528, f. 196. Southern United States. "Supple-Jack."

Rhamnus scandens, *Hill.*

R. volubilis, *L. f.*

Rhamnus Alaternus, *L.*; Nouv. Duhamel ii. t. 14. South West Europe.

Var. **angustifolia.**

R. angustifolia, *Mill.*

R. Clusii, *Willd.*

R. Perrieri, *Hort.*

R. utilis, *Hort.* (not *Decne.*).

Var. **aurea.**

Var. **angustifolia variegata.**

Var. **latifolia.**

Var. **maculata.**

Var. **variegata.**

R. alnifolia, *L'Hérit.*; Loud. Arbor. ii. 536, f. 206. United States.

R. franguloides, *Michx.*

R. alpina, *L.*; Lodd. Bot. Cab. t. 1077. Alps.

R. arguta, *Maxim.* China and Japan.

R. californica, *Eschsch.* California. "Indian Cherry."

Rhamnus intermedia, *Hort.*

R. laurifolia, *Nutt.*

R. oleifolia, *Hook.*; Rev. Hort. 1874, 354, f. 47.

R. pedunculata, *Hort.*

Frangula californica, *A. Gray.*

Var. **hirtella.**

R. carniolica, *Kern.* Carniolia.

R. caroliniana, *Walt.*; Nutt. Sylva ii. 50, t. 59. Southern United States.

R. californica, *Hort.* (not *Eschsch.*).

Frangula caroliniana, *A. Gray.*

R. cathartica, *L.*; Engl. Bot. ed. 3, t. 318. Europe, Asia. "Common Buckthorn."

R. fragrans, *Hort.*

R. infectoria, *Hort.* (not *L.*).

R. Pallasii, *Hort.* (not *Fisch. & Mey.*).

R. Wicklius, *Hort.*

R. costata, *Maxim.* Japan.

R. crenata, *Sieb. & Zucc.* Japan.

R. oreigenes, *Hance.*

Frangula crenata, *Miq.*

R. davurica, *Pall.* Siberia to China.

R. baptica, *Decne.*

R. crenata, Garden and Forest ix. 425, f. (not *Sieb. & Zucc.*).

R. utilis, *Decne.*

R. virgata, *Roxb.*

R. Erythroxylon, *Pall.* Caucasus, &c.

R. Frangula, *L.*; Engl. Bot. ed. 3, t. 319. Europe. "Berry-bearing Alder."

R. latifolia, *Hort.* (not *L'Hérit.*).

Var. **angustifolia.**

R. franguloides, *Hort.* (not *Michx.*).

Var. **asplenifolia**, *Hort.*

Var. **latifolia.**

R. sibirica, *Hort.*

R. hybrida, *L'Hérit.* (R. Alaternus ♂ × alpina ♀). Europe.

R. sempervirens, *Hort.*

R. subsempervirens, *Hort.*

Var. **Billardi**, *Lavall.*

R. Billardi, *Hort.*

R. ovalifolia, *Hort.*

R. infectoria, *L.*; Tchichat. Asie Mineure t. 9. South Europe, &c. "Avignon Berry."

R. oleoides, *Hort.* (not *L.*).

R. prunifolia, *Hort.* (not *Sieb.*).

R. japonica, *Maxim.* Japan.

R. lanceolata, *Pursh*; Gray Genera ii. 180, f. 168. North America.

R. libanotica, *Boiss.*; Bot. Mag. t. 6721. Asia Minor and Syria.

R. alpina *var.* colchica, *Kusnetzoff.*

R. castaneifolia, *Hort.*

R. grandifolia, *Hort.* (not *Fisch. & Mey.*).

R. Imeritiae, *Hort.*

R. imeritina, *Koehne.*

R. oleoides, *L.* South-west Europe.

R. amygdaloides, *DC.* (in part.)

R. parvifolia, *Bunge.* China.

R. pumila, *Turr.* Mountains of Central, South and Eastern Europe.

R. pusilla, *Tenore.*

R. rupestris, *Vill.* (not *Scop.*).

R. punctata, *Boiss.* Asia Minor, &c.

R. purpurea, *Edgew.* Western Himalaya.

R. purshiana, *DC.*; Loud. Arbor. ii. 538, f. 211. California. "Cascara Sagrada."

Frangula purshiana, *Cooper.*

Rhamnus rubra, *Greene.*

R. rupestris, *Scop.* Flora Carniolica i. t. 5. South-eastern Europe.

R. saxatilis, *L.*; Jacq. Fl. Austr. i. t. 53. Europe, &c.

R. spathulifolia, *Fisch. & Mey.* Caucasus.

R. tinctoria, *Waldst. & Kit.* Europe, Asia.

R. chlorophorus, *Decne.*

R. globosus, *Bunge.*

Hovenia dulcis, *Thunb.*; Bot. Mag. t. 2360. Himalaya, China, &c.

Ceanothus americanus, *L.*; Bot. Mag. t. 1479. Eastern United States. "New Jersey Tea."

C. intermedius, *Pursh.*

Var. **nanus roseus.**

Var. **opacus,** *Lange.*

C. Arnoldi, *Hort.* Garden hybrid.

C. azureus, *Desf.* Mexico.
C. latifolius, *Hort.*

C. cuneatus, *Nutt.* Oregon to Lower California.
C. verrucosus, *Nutt.*; Bot. Mag. t. 4660.

C. delilianus, *Spach.* Origin uncertain.

***C. divaricatus,** *Nutt.* California.

C. Fendleri, *A. Gray.* Colorado, New Mexico, Arizona.

***C. hirsutus,** *Nutt.* Coast Range of Central California.

***C. integerrimus,** *Hook. & Arn.*; Bot. Mag. t. 7640. California.
C. californicus, *Kellogg.*
C. nevadensis, *Kellogg.*

***C. macrocarpus,** *Nutt.* California.

***C. microphyllus,** *Michx.* Florida.

C. ovatus, *Desf.* Canada to Texas.

***C. papillosus,** *Torr. & Gray*; Bot. Mag. t. 4815. California.

***C. parvifolius,** *Trelease.* California to Oregon.
C. integerrimus *var.* parvifolius, *S. Wats.*

***C. rigidus,** *Nutt.*; Bot. Mag. t. 4664. California.

*C. sorediatus, *Hook & Arn.* Coast Range of Southern California.

*C. spinosus, *Nutt.* Middle Coast Range, California.

*C. thyrsiflorus, *Eschsch.*; Bot. Reg. 30, t. 38. Sargent Silva of North America t. 64. California. "California Lilac."

C. elegans, *Lem.*

C. radicans superba, *Hort.*

*C. veitchianus, *Hook.* Bot. Mag. t. 5127. California.

*C. velutinus, *Dougl.*; Hook. Fl. Bor. Am. i. 125, t. 45. British America to California, Colorado, &c.

Colletia cruciata, *Gill & Hook.*; Bot. Mag. t. 5033. Uruguay.

C. armata, *Miers.*

C. bictonensis, *Lindl.* Journ. Hort. Soc. v. 31.

C. ferox, *Gill.*

C. horrida, *Hort.*

C. polyacantha, *Hort.*

C. spinosa, *Lam.*

C. spinosissima, *Hort.*

C. valdiviana, *Phil.*

*Discaria longispina, *Miers.* Uruguay.

Colletia longispina, *Hook. & Arn.*

D. serratifolia, *Benth. & Hook. f.*; Gard. Chron. 1876, vi. 325, f. 65. Chili, &c.

Colletia Chacaye, *G. Don.*

C. nutans, *Hort.*

C. serratifolia, *Vent.*

*D. Toumatou, *Raoul*; Kirk Forest Flora of New Zealand t. 136. New Zealand. "Wild Irishman."

Ampelidaceae.

Vitis aestivalis, *Michx.*; Loud. Arbor. i. 479, f. 142. United States. "Summer Grape."

V. intermedia, *Muhl.*

V. labruscoides, *Muhl.*

V. virginiana, *Hort.*

Var. **Linsecomii**, *Munson.* "Pinewood or Turkey Grape."

V. Linsecomii, *Buckl.*

V. amurensis, *Rupr.* Amurland, North China, &c.

V. vinifera *var.* amurensis, *Regel.*

V. pubescens, *Hort.*

V. regeliana, *Hort.*

V. arborea, *L.* South United States.

V. bipinnata, *Torr. & Gray.*

Ampelopsis bipinnata, *Michx.*

Cissus arborea, *Desmoul.*

C. bipinnata, *Nutt.*

V. arizonica, *Engelm.* Arizona. "Cañon Grape."

V. arizonensis, *Hort.*

V. californica, *Hort.*

V. Berlandieri, *Planch.* Texas, &c.

V. monticola, *Engelm.*

V. bicolor, *Leconte.* Eastern United States. "Blue Grape."

V. bourquiniana, *Munson.* South California. "Valley Grape."

V. aestivalis, *Michx.* var. bourquiniana, *Bailey.*

Var. Herbemont. Cultivated variety.

Var. Le Noir. Cultivated variety.

V. brevipedunculata, *Hort. Kew.* China, &c.

Ampelopsis brevipedunculata, *Koehne.*

Cissus brevipedunculata, *Maxim.*

V. californica, *Benth.* Central and South California and North Oregon.

V. caribaea, *Hook.* (not *DC.*).

V. candicans, *Engelm.* Eastern Texas. "Mustang Grape."

*V. capreolata, *D. Don.* Himalaya.

V. hederacea, *Wall.*

Cissus capreolata, *Walp.*

C. nepaulensis, *DC.*

C. serrulata, *Roxb.*

C. Wrightii, *Hort.*

Tetrastigma serrulatum, *Planch.*

V. caribaea, *DC.* var. Blancoi. Florida.

V. Blancoi, *Munson.*

V. Champini, *Planch.* South-western Texas. (Probably a hybrid of *V.* rupestris or *V.* Berlandieri and V. candicans.)

V. cinerea, *Engelm.* Central Illinois to Kansas, Texas, &c. "Sweet Winter Grape."

V. aestivalis *var.* cinerea, *Engelm.*

V. canescens, *Hort.*

V. Coignetiae, *Pul. & Planch.* Japan.

V. congesta, *Hort.*

V. cordifolia, *Michx.*; Loud. Arbor i. 480, f. 143. United States. "Chicken Grape."

V. vulpina *var.* cordifolia, *Regel.*

V. virginiana, *Hort.*

V. doaniana, *Munson*; Garden and Forest, 1896, 455 f. 59. North-west Texas, &c. (Probably a hybrid of which *V.* candicans is one of the parents.)

*V. erioclada, *Wight & Arn.* India.

V. ficifolia, *Bunge.* China and Japan.

V. flexuosa, *Thunb.* China and Japan.
V. parvifolia, *Roxb.*
V. succisa, *Hance.*

V. girdiana, *Munson.* South California. "Valley Grape."

V. heterophylla, *Thunb.* China and Japan.
V. davidiana, *Carr.*
V. elegans, *Hort.*
Ampelopsis aconitifolia, *Hort.*
A. heterophylla, *Sieb. & Zucc.*
C. bryonifolia *Regel.*

Var. humulifolia, *Hook. f.* Bot. Mag. t. 5682.
Ampelopsis humulifolia, *Bunge.*

Var. variegata.
V. heterophylla *var.* tricolor.

*V. himalayana, *Brand.* Himalaya.
V. neilgherrensis, *Wright* Ic. t. 965.
Ampelopsis himalayana, *Royle.*
Cissus himalayana, *Walp.*

V. inconstans, *Miq.* China and Japan.
V. Roylei, *Hort.*
Ampelopsis tricuspidata, *Sieb. & Zucc.*
A. Veitchii, *Hort.* Gard. Chron. ii. 1880, xiv. 664, f. 126.
Cissus Thunbergii, *Sieb. & Zucc.*

V. inconstans—*cont.*

C. Veitchii, *Carr.*

Parthenocissus tricuspidata, *Planch.*

Var. **purpurea.**

Var. **robusta.**

V. indivisa, *Willd.* South United States.

Ampelopsis cordata, *Michx.*

A. cordifolia, *Rafin.*

Cissus Ampelopsis, *Pers.*

V. japonica, *Thunb.* Eastern Asia.

Cissus cyanocarpa, *Miq.*

C. japonica, *Willd.*

C. leucocarpa, *Blume.*

V. Labrusca, *L.*; Loud. Arbor. i. 479, f. 141. New England to Georgia. "Fox Grape, Skunk Grape." The parent of the greater part of American cultivated grapes.

V. Longii, *Prince.* North-west Texas and New Mexico.

V. Solonis, *Hort.*

V. munsoniana, *Simpson.* Florida. "Mustang Grape of Florida, Bird Grape, Everbearing Grape."

V. orientalis, *Boiss.* Orient.

Ampelopsis orientalis, *Planch.*

Cissus clematifolia, *Cav.*

C. orientalis, *Lam.*; Wats. Dendr. Brit. t. 113.

C. pinnata, *Soland.*

V. palmata, *Vahl.* Illinois and Missouri to Louisiana and Texas. "Red or Cat Grape."

V. riparia *var.* palmata, *Planch.*

V. rubra, *Michx.*

V. virginiana, *Poir.*

V. persica, *Boiss.* Persia to Afghanistan.
Ampelopsis vitifolia, *Planch.*
Cissus vitifolia, *Boiss.*

V. quinquefolia, *Lam.* North America. "Virginia Creeper."
Ampelopsis hederacea, *DC.*
A. quinquefolia, *Michx.*
Parthenocissus quinquefolia, *Planch.*
P. radicantissima, *Koehne & Graebner.*
Vitis radicantissima, *Hort.*

Var. **hirsuta.**
Ampelopsis hirsuta, *Donn.*

Var. **incisa.**

Var. **major.**

Var. **muralis.**
Ampelopsis Engelmanni, *Hort.*
Parthenocissus Engelmanni, *Koehne & Graebn.*

V. Romaneti, *Caill.* North China.

V. rotundifolia, *Michx.* South and South-western United States. "Muscadine Southern Fox Grape."

V. rupestris, *Scheele.* South United States. "Sand or Sugar Grape."

V. serianaefolia, *Maxim.* China and Japan.
Ampelopsis serianaefolia, *Bunge.*
Cissus viticifolia, *Sieb. & Zucc.*
Paullinia japonica, *Thunb.*
Vitis aconitifolia, *Hance.*

***V. striata**, *Baker.* Rio Grande do Sul.
Ampelopsis sempervirens, *Hort.* Gard. Mag. February 13, 1886, 91.
Cissus striata, *Ruiz. & Pav.*

V. Thunbergii, *Sieb. & Zucc.* China and Japan.
V. Sieboldii, *Hort.*
V. ficifolia *var.* Sieboldii, *Lavallée.*

V. Treleasei, *Munson.* Texas, Arizona, &c.

V. vinifera, *L.* Orient. "Grape Vine."

Var. **corinthiaca.** "Currant Grape."
V. corinthiaca, *Rafin.*

Var. **laciniosa.** "Parsley-leaved Vine."
V. laciniosa, *L.*
V. apiifolia, *Hort.*

Var. **purpurea.** "Teinturier Grape."

Var. **sylvestris.**
V. sylvestris, *Gmelin.*
V. cebennensis, *Jord.*

? Var. **Davidii.**
Spinovitis Davidii, *Carr.*

V. vulpina, *L.* North America. "Riverbank or Frost Grape."
V. riparia, *Michx.*; Bot. Mag. t. 2429.
V. cordifolia *var.* riparia, *A. Gray.*
V. odoratissima, *Donn.* (is male plant of this species).

Sapindaceae.

***Kolreuteria bipinnata**, *Franchet* Revue Horticole 1888, 393, f. 93. China.

K. paniculata, *Laxm.*; Gard. Chron. 1887, ii. 561, f. 111. China.
K. floribunda, *Hort.*
K. japonica, *Hort.*

Æsculus californica, *Nutt.*; Sargent Silva of North America tt. 71, 72; Bot. Mag. t. 5077, California.

Calothyrsus californicus, *Spach.*

Pavia californica, *Hartw.*

Æ. carnea, *Willd.*; Watson Dendr. Brit. ii. 121. Garden Hybrid. "Red Horse Chestnut."

Æ. floribunda, *Hort.*

Æ. rubicunda, *DC.*; Flore des Serres t. 2229–30.

Æ. spectabilis, *Hort.*

Pavia watsoniana, *Spach.*

Var. **atropurpurea**, *Hort.*

Var. **Briotii**, *Hort.*

Var. **Mauroyi**, *Hort.*

Var. **pendula**, *Hort.*

Æ. flava, *Ait.* West Pennsylvania to Georgia and Texas. "Sweet Buckeye."

Æ. lucida, *Hort.* (not *Spach*).

Æ. lutea, *Wangh.*

Æ. octandra, *Marsh.*; Sargent Silva of North America tt. 69,70.

Pavia bicolor, *Rafin.*

P. flava, *Moench.*

P. fulva, *Rafin.*

P. hybrida, *Hort.*

P. lutea, *Poir.*

P. macrocarpa, *Hort.*

P. pallida bicolor, *Hort.*

Var. **purpurascens**, *A. Gray.* South-western United States.

Æ. discolor, *Pursh.*; Bot. Reg. t. 310.

Æ. hybrida, *DC.*

Æ. lutea *var.* discolor, *Dippel.*

Æ. flava—*cont.*

Æ. octandra *var.* hybrida, *Sargent.*
Æ. Pavia *var* discolor, *Torr. & Gray.*
Pavia discolor, *Poir.*
P. hybrida, *DC.*
P. rosea, *Hort.*

Var. **sanguinea.**

Var. **Whitleyi,** *Hort.*

Æ. **glabra,** *Willd.*; Sargent Silva of North America tt. 67, 68. United States. "Ohio Buckeye."

Æ. echinata, *Muhl.*
Æ. ohioensis, *DC.*
Æ. pallida, *Willd.*
Pavia glabra, *Spach.*
P. ohioensis, *Michx.*
P. pallida, *Spach.*

Var. **arguta,** *Robinson.* Texas, &c.
Æ. arguta, *Buckl.*

Æ. **Hippocastanum,** *L.* Mountains of South-eastern Europe. "Horse Chestnut."

Var. **crispum.**

Var. **flore pleno,** Illustration Horticole ii. t. 50.
Æ. Schirnhoferi, *Hort.*

Var. **foliis aureis variegatis.**

Var. **laciniata.**
Æ. asplenifolia, *Hort.*
Æ. heterophylla, *Hort.*
Æ. incisa, *Hort.*

Var. **Memmingeri.**

Var. pyramidalis.

Æ. indica, *Colebr.*; Bot. Mag. t. 5117. Western Himalaya. "Indian Horse Chestnut."

Æ. Lyoni, *Hort.* (flava × Pavia). Garden origin.
Pavia Lyoni, *Hort.*

Æ. neglecta, *Lindl.*; Bot. Reg. t. 1009. Garden origin.
Æ. discolor × flava, *Koehne.*

Æ. parviflora, *Walt.* South-eastern United States.
Æ. macrostachya, *Pers.*; Bot. Mag. t. 2118.
Macrothyrsus discolor, *Spach.*
Pavia alba, *Poir.*
P. edulis, *Poit.*
P. macrostachya, *Loisel.*

Æ. Pavia, *L.* S. United States. "Red Buckeye."
Æ. humilis, *Lodd.*; Bot. Reg. t. 1018.
Pavia atropurpurea, *Spach.*
P. humilis, *G. Don.*
P. lindleyana, *Spach.*
P. lucida, *Spach.*
P. Michauxii, *Spach.*
P. nana, *Hort.*
P. pendula, *Hort.*
P. pumila, *Hort.*
P. rubra, *Lam.*
P. willdenowiana, *Spach.*

Æ. plantierensis, *E. André.* Garden origin.
Æ. Hippocastanum × carnea.

Æ. turbinata, *Blume*; Rev. Hort. 1888, 496, ff. 120–4. China, Japan.

***Ungnadia speciosa**, *Endl.*; Flore des Serres x. t. 1076. Mexico, &c. "Spanish Buckeye."

Xanthoceras sorbifolia, *Bunge*; Bot. Mag. t. 6923. North China.

*Sapindus marginatus, *Willd.*; Sargent Silva of North America t. 76. South United States. "Soap-berry, Wild China Tree."

Acer ambiguum, *Dippel.* Japan.

A. Dippeli, *Schwerin.*

A. argutum, *Maxim.*; Gard. Chron. 1881, xv. 725, f. 132. Japan.

A. campestre, *L.*; Engl. Bot. ed. 3, t. 321. Europe, West Asia. "Common Maple."

Var. collinum, *Wallr.*

A. campestre *var.* leiocarpum, *DC.*

Var. compactum.

Var. hebecarpum, *DC.*

A. campestre *var.* lasiocarpum, *Wimm.*

A. campestre *var.* pubescens, *Boenningh.*

A. hyrcanum, *Hort.* (not *Fisch. & Mey.*).

Var. pendulum foliis variegatis.

Var. pulverulentum.

A. campestre foliis punctatis.

A. campestre maculatum.

Var. Schwerini.

Var. variegatum.

A. campestre argenteo-marginatum.

A. capillipes, *Maxim.* Japan.

A. pennsylvanicum *var.* capillipes, *Wesmael.*

A. carpinifolium, *Sieb. & Zucc.*; Gard. Chron. ii. 1881, xv. 564, f. 105. Japan.

A. circinatum, *Pursh* ; Sargent Silva of North America t. 88. California, &c. "Vine Maple."

A. virgatum, *Rafin.*

A. cissifolium, *C. Koch.* Japan.

Negundo cissifolium, *Sieb. & Zucc.*

N. nikoense, *Miq.* (not *Maxim.*).

A. coriaceum, *Tausch.* (Pseudo-plantanus × monspessulanum), Garden origin.

A. trilobatum, *Hort.*

A. crataegifolium, *Sieb. & Zucc.* Flora Japonica t. 147. Japan.

Var. **Veitchi**, *Nichols.*

A creticum, *L.* ; Loud. Encyclop. of Trees and Shrubs 94, f. 142, 121, f. 163. Asia Minor.

A. barbatum, *Petz. & Kirchn.* (not *Michx.*).

A. parvifolium, *Tausch.*

A. polymorphun, *Spach* (not *Sieb. & Zucc.*).

A. dasycarpum, *Ehrh.* ; Gard. Chron. 1881, xv. 137, f. 24 ; Garden and Forest iv. 133, f. 26. Eastern North America. "Silver Maple."

A. album, *Hort.*

A. Douglasi, *Arbor. Zoesch.*

A. eriocarpum, *Michx.*

A. palmatum, *Hort.* (not *Thunb.*).

A. Pavia, *Hort.*

A. rubrum, *L. var.* pallidum, *Ait.*

A. saccharinum, *L.* ; Sargent Silva of North America t. 93.

A. saccharinum floridanum, *Hort.*

A. dasycarpum—*cont.*

A. Saccharum, *Marsh* (not *Britton*).

A. Saira, *Hort.*

A. tomentosum, *Hort.*

Var. foliis albo-variegatis.

Var. Juhlkei.

Var. laciniatum, *Pax.*

A. heterophyllum, *Hort.*

A. Wagneri dissectum, *Hort.*

A. Wieri laciniatum; Wiener Illust. Garten-Zeitung, vii. 410.

Var. lutescens.

Var. macrophyllum.

Var. pendulum.

Var. pulverulentum.

Var. pyramidalis.

Var. tripartitum.

A. diabolicum, *Blume*; Gard. Chron. 1881, xv. 532, f. 100. Japan.

A. pulchrum, *Hort.*

A. Dieckii, *Pax.* Garden origin.

A. Lobelia *var* Dieckii, *Pax.*

A. platanoides *var.* integrilobum, *Zabel* Gartenfl. 1887, 437, f.

A. distylum, *Sieb. & Zucc.*; Gard. Chron. 1881, xv. 499, f. 93. Japan.

A. Duretti, *Hort.* (Pseudo-platanus × monspessulanum) Garden hybrid.

A. Ginnala, *Maxim.* Amurland, &c.

A. tataricum *var.* acuminatum, *Franch.*

A. tataricum *var.* Ginnala, *Maxim.*

A. tataricum *var.* laciniatum, *Regel.*

Var. **Semenowii**, *Pax.*

A. Semenowii, *Regel & Herder.*

A. tataricum *var.* Semenowii, *Nichols.* Gard. Chron. 1881, xv. 74, f. 12.

A. glabrum, *Torr. & Gray*; Sargent Silva of North America t. 89. Western North America.

A. Douglasii, *Hook.*

A. tripartitum, *Nutt.*

A grandidentatum, *Nutt.* Western North America.

A. barbatum *var.* grandidentatum, *Sargent* Silva of North America t. 92.

A. saccharinum *var.* floridanum, *Chapm.*

A. Heldreichi, *Boiss. & Heldr.*; Gard. Chron. 1881, xv. 141, f. 25. Eastern Europe.

A. Henryi, *Pax*; Hook. Icon. Plant. t. 1896. Central China.

A. heterophyllum, *Willd.*; Garden ii. 283, f. Orient.

A. microphyllum, *Hort.*

A. obtusifolium, *Sibth.*

A. orientale, *C. Koch.*

A. sempervirens, *Hort.*

A. Hookeri, *Miq.* Himalaya and China.

A. hybridum, *Spach*; Engler, Das Pflanzenreich 1902, Aceraceæ f. 4. (Pseudo-platanus × opulifolium).

A. Pseudo-platanus *var.* opulifolium, *Hort.*

A. hyrcanum, *Fisch. & Mey.* Caucasus.

A. caucasicum, *Hort.*

A. ibericum, *Hort.* (in part).

A. hyrcanum—*cont.*

A. italum *var.* hyrcanum, *Pax.*

A. lobatum, *Gordon* ; Garden, iii. 69, f.

A. tauricum, *Hort.* (in part).

A. insigne, *Boiss. & Buhse.* var. velutinum, *Boiss.* ; Gard. Chron. 1891, x. 189, f. 24. Northern Persia.

A. japonicum, *Thunb.* ; Sieb. & Zucc. Fl. Jap. ii. t. 144. Japan.

A. macrophyllum, *Hort.* (not *Pursh*).

A. palmatum macrophyllum, *Hort.*

A. vitifolium, *Hort.*

Var. aureum, *Schwerin.*

Var. microphyllum, *Hort. Veitch.*

A. laetum, *C. A. Mey.* ; Gartenfl. 1887, 433, f. 109. Caucasus. &c.

Var. rubrum.

A. colchicum rubrum, *Hort.*

A. leucoderme, *Small.* North Carolina to Florida and Alabama.

A. Lobelii, *Tenore* Flora Neapolitana v. 291, t. 199. Southern Italy.

A. atheniense, *Hort.*

A. platanoides *var.* integrilobum, *Tausch.*

A. platanoides, *L. var.* Lobelii, *Loud.* Arbor. 444, f. 120.

A. macrophyllum, *Pursh* ; Sargent Silva of North America tt. 86, 87. California, &c.

A. murrayanum, *Hort.*

A. speciosum, *Hort.*

A. mandschuricum, *Maxim.* Mandshuria.

A. micranthum, *Sieb. & Zucc.* Fl. Jap. 141, t. 80. Japan.

A. Miyabei, *Maxim* ; Garden and Forest 1893, 143, f. Japan.

A. monspessulanum, *L.*; Loud. Arbor. i. 458, f. 131. Mediterranean Region. "Montpelier Maple."

A. heterophyllum, *Hort.* (not *Willd.*)

A. ibericum, *Bieb.*

A. illyricum, *Jacq.*

A. liburnicum, *Hort.*

A. littorale, *Hort.*

A. monspeliense, *Hort.*

A. trifolium, *Duham.*

A. trilobum, *Moench.*

A. trilobatum, *Lam.*

A. neglectum, *Lange.* Garden origin.

A. aetnense, *Hort.*

A. campestre × Lobelii, Koehne.

A. campestre *var.* aetnense.

A. zöschense, *Pax.*

A. Negundo, *L.*; Sargent Silva of North America t. 96. United States. "Box Elder."

Negundo aceroides, *Moench.*

N. fraxinifolium, *Nutt.*

Var. **californicum**, *Sargent* Silva of North America t. 97.

Acer californicum, *Dietr.*

Negundo californicum, *Torr. & Gray.*

Var. **crispum**, *G. Don*; Loud. Encycl. of Trees and Shrubs, 122, f. 165.

Var. **foliis marginatis aureis.**

Var. **laciniatum**, *Hort.*

Var. **variegatum**, *Hort.*

Var. **versicolor**, *Dieck.*

Var. **violaceum**, *Kirchner.*

A. nikoense, *Maxim.* (not *Miq.*); Garden and Forest 1893, 155, f. 26. Japan.

A. maximowiczianum, *Miq.*

Negundo nikoense, *Nichols.*

A. opulifolium, *Vill.* Europe. "Italian Maple."

A. italicum, *Lauche.*

A. italum, *Lauth.*

A. Opalus, *Ait.* Garden, 1872, 443, f.

A. rotundifolium, *Lam.*

Var. **neapolitanum.**

A. hybridum, *Hort.*

A. neapolitanum, *Tenore* Flora Neapolitana t. 100.

A. obtusatum *var.* neapolitanum, *Hort.*

Var. **obtusatum.**

A. obtusatum, *Kit.*

A. palmatum, *Thunb.*; Loud. Encycl. of Trees and Shrubs 90, f. 158. Japan.

A. polymorphum, *Sieb. & Zucc.* Fl. Jap. 83, t. 145.

Palmatum Group.

Var. **aureum.**

Acer japonicum polymorphum aureum. *Hort.*

Var. **crispum**, Illustration Horticle, 1870, t. 43.

A. crispatum, *Hort.*

Var. **linearilobum**, *Sieb. & Zucc.* Fl. Jap. 84. t. 146.

A. integrum, *Hort.*

Var. **roseo-marginatum.**

A. japonicum roseo-marginatum, *Hort.*

A. polymorphum roseo-marginatum, *Hort.*

Septemlobum Group.

Var. sanguineum, *Carr.*

Var. septemlobum, *C. Koch.*

A. septemlobum, *Thunb.*

Var. septemlobum atropurpurem.

A. atropurpureum, *Hort.*

A. japonicum atropurpureum, *Hort.*

Var. septemlobum bicolor, *Hort.*

Var. septemlobum elegans.

Var. septemlobum elegans purpureum.

A. digitatum atropurpureum, *Hort.*

Dissectum Group.

Var. dissectum.

A. dissectum, *Thunb.*

A. japonicum dissectum, *Hort.*

A. palmatifidum, *Hort.*

A. palmatum pinnatifidum, *Hort.*

A. polymorphum *var.* decompositum, *Sieb. & Zucc.* Fl. Jap. 84, t. 146.

Var. dissectum ornatum, Illustration Horticole 1870, 244, t. 46.

A. japonicum ornatum, *Hort.*

A. palmatifidum ornatum, *Hort.*

A. palmatifidum rubrum, *Hort.*

Var. dissectum sessilifolium, Gard. Chron. **1881,** xvi. 137, f. 30.

Negundo sessilifolium, *Sieb. & Zucc.*

A. pennsylvanicum, *L.*; Sargent Silva of North America tt. 84, 85. Eastern United States. "Moose Wood."

A. canadense, *Marsh.*

A. hybridum, *Bosc.*

A. striatum, *Du Roi.*

A. pictum, *Thunb.* Mandshuria, Japan.

Var. **Mono.**

A. Mono, *Maxim.*

Var. **variegatum.**

A. pictum tricolor.

A. platanoides, *L.*; Loud. Encycl. of Trees and Shrubs 83, 104, 105. Europe. "Norway Maple."

Var. **columnare**, *Carr.*

Var. **cucullatum.**

Var. **dilaceratum**, *Dieck.*

Var. **globosum.**

A. globosum, *Hort.*

Var. **heterophyllum variegatum**, *Hort.*

A. digitatum aureo-marginatum, *Hort.*

Var. **laciniatum.**

A. crispum, *Hort.*; Loud. Encycl. of Trees and Shrubs 84, f. 128.

A. laciniosum, *Hort.*

Var. **maculatum**, *Schwerin.*

Var. **nanum**, *Nichols.*

Var. **palmatum.**

A. dissectum, *Hort.*

A. Lorbergi, *Hort.*

A. palmatifidum, *Hort.*

A. platanoides digitatum, *Hort.*

A. platanoides—*cont.*

Var. purpureum.

Var. pyramidale nanum.

Var. Reitenbachii.

Var. rubrum, *Regel* Gartenflora 1867, 163, f. 545.

Var. Schwedleri; Gard. Chron. 1881, xv. 565, f. 106.
A. Schneideri, *Hort.*

Var. undulatum, *Dieck.*

A. Pseudo-platanus, *L.*; Eng. Bot. ed. 3, t. 320. Central Europe, Western Asia. "Sycamore."

Var. atropurpureum.

Var. aucubaefolium.

Var. bicolor, *Späth.*

Var. elegantissimum, *Perkins.*

Var. euchlorum.

Var. flavo-marginatum, *Loud.* "Corstorphine Plane."
A. P. corstorphinensis, *Hort.*
A. P. lutescens, *Hort.*

Var. foliis albo-variegatis.

Var. Leopoldi, Illustration Horticole xi. t. 411.

Var. luteo-virens, *Simon-Louis.*

Var. nervosum, *Schwerin.*

Var. Nizeti, *Schwerin.*
A. foliis purpureis aureo-variegatis.

Var. Prinz Handjery, *Hort.*

Var. purpureo-variegatum, *Hort.*

A. Pseudo-platanus—*cont.*

Var. **purpureum**, *Loud.*

A. P. *var.* rubrum, *Hort.*

A. nigrum, *Hort.*

Var. **webbianum**, *Hort.*

Var. **Worlei**, *Schwerin.*

A. purpurascens, *Franch. & Sav.* Japan.

A. rubrum, *L.*; Sargent Silva of North America t 94. United States. "Red Maple."

A. carolinianum, *Hort.*

A. coccineum, *Michx. fil.*

A. floridanum, *Hort.*

A. glaucum, *Hort.*

A. globosum, *Hort.*,

A. hypoleucum, *Hort.*

A. leucophyllum, *Hort.*

A. virginianum, *Hort.*

A. Wagneri, *Hort.*

Var. **Drummondii**, Sargent Silva of North America, t. 95.

A. Drummondii, *Hook. & Arn.*

Var. **pendulum.**

Var. **sanguineum.**

A. fulgens, *Hort.*

A. sanguineum, *Spach.*

A. splendens, *Hort.*

A. tomentosum, *Hort.*

A. microphyllum, *Pax.*

A. rufinerve, *Sieb. & Zucc.* Flora Jap. t. 158. China and Japan.

Var. **albo-limbatum**, *Hook.* Bot. Mag. t. 5793.

A. saccharinum, *Wangenh.* United States. "Sugar Maple."

A. barbatum, *Sargent* Silva of North America t. 90.

A. saccharophorum, *C. Koch.*

A. Saccharum, *Britt.* (not *Marsh*).

Var. columnare.

Var. monumentale.

Var. nigrum.

A. barbatum *var.* nigrum, *Sargent* Silva of North America t. 91.

A. nigrum. *Michx.*

A. sieboldianum, *Miq.*; Gard. Chron. 1881, xv. 590, f. 113. Japan.

A. japonicum *var.* sieboldianum, *Franch. & Sav.*

A. palmatum Kaempferi, *Hort.*

A. spicatum, *L.*; Sargent Silva of North America tt. 82, 83. United States. "Mountain Maple."

A. montanum, *Ait.*

A. parviflorum. *Ehrh.*

A. pennsylvanicum, *Duroi* (not *L.*).

A. rugosum, *Hort.*

A. tataricum, *L.*; Watson Dendr. Brit. t. 160. Eastern Europe, &c.

A. cordifolium, *Moench.*

Var. rubrum.

A. Tchonoskii, *Maxim.* Japan.

A. tenellum, *Pax*; Hook. Icon. Plant. t. 1897. Central China.

A. tetrandrum, *Pax.* Central China.

A. Trautvetteri, *Medwedjeff*; Gartenff. 1891, ff. 58–61. Caucasus.

A. insigne, *Nichols.* Gard. Chron. 1881, xvi. 75, f. 14.

A. insigne *var.* Trautvetteri, *Pax.*

A. trinerve, *Dippel.* Japan, &c.

A. trifidum, *Hort.* (not *Hook. & Arn.*).

A. truncatum, *Bunge.* China.

A. laetum *var.* truncatum, *Regel.*

A. Lobelii *var.* truncatum, *Wesmael.*

A. Volxemi, *Masters* Gard. Chron. 1877, vii. 72, f. 10; 1891, x. 11, f. 2. Caucasus.

Dipteronia sinensis, *Oliver*; Hook. Icon. Plant. t. 1898. Central China.

Staphylea Bumalda, *Sieb. & Zucc.* Fl. Jap. t. 95. Japan.

S. colchica, *Stev.*; Gard. Chron. 1887, ii. 713, f. 137. Caucasus.

Hooibrenckia formosa, *Hort.*

S. regeliana, *Hort.*

S. Coulombieri, *André* (pinnata × colchica).

S. pinnata, *L.* Eng. Bot. ed. 3, t. 322. South Europe. "Bladder-nut."

S. trifolia, *L.*; Gartenflora 1888, 529. North America. "American Bladder-nut."

*Euscaphis staphyleoides, *Sieb. & Zucc.* Fl. Jap. t. 67. China and Japan.

E. japonica, *Dippel.*

Sabiaceae.

Meliosma myriantha, *Sieb. & Zucc.* China and Japan.

Anacardiaceae.

Rhus canadensis, *Marsh.* North America.

R. aromatica, *Ait.*; Britt. & Br. Illustr. Fl. ii. 387, f.

R. suaveolens, *Ait.*

Var. trilobata, *A. Gray.*

R. copallina, *L.*; *Dippel* Handbuch der Laubholzkunde ii. 368, f. 169. Eastern United States. "Dwarf Sumach."

R. cotinoides, *Nutt.* Southern United States. "Chittam Wood."

Cotinus americanus, *Nutt.* North American Sylva ii. t. 81; Sargent Silva of North America t. 98.

R. Cotinus, *L.*; Jacq. Flora Austrica t. 210. Europe, &c. "Venetian Sumach."

Var. atropurpurea.

Var. pendula.

R. glabra, *L.*; Loud. Arbor. ii. 551, f. 225. United States. "Smooth Sumach."

R. caroliniana, *Mill.*

R. coccinea, *Hort.*

R. elegans, *Ait.*; Wats. Dendr. Brit. i. t. 16.

R. sanguinea, *Hort.*

Var. **laciniata**, *Carr.* Revue Horticole 1863, f. 1.

***R. insignis**, *Hook. f.* Himalaya.

R. Michauxi, *Sargent* Garden and Forest 1895, 404, f. 55. South United States.

R. pumila, *Michx.*

R. Osbeckii, *DC.*; Revue Horticole 1867, f. 14. China and Japan.

R. japonica Osbecki, *Hort.*

R. semialata *var.* Osbeckii, *DC.*

R. typhina Osbecki, *Hort.*

***R. punjabensis**, *J. L. Stew.* Himalaya.

R. sylvestris, *Sieb. & Zucc.* China and Japan.

R. Toxicodendron, *L.*; Loud. Arbor. ii. 556, f. 23. North America and Japan. "Poison Ivy, Poison Oak."

R. ambigua, *Lavallée.*

R. japonica, *Hort.*

R. radicans, *L.*; Bot. Mag. t. 1806.

R. ternata, *Hort.*

R. trifoliata, *Hort.*

Ampelopsis Hoggii, *Hort.*

A. japonica, *Hort.*

Toxicodendron pubescens, *Mill.*

T. vulgare, *Mill.*

R. trichocarpa, *Miq.* Japan, Corea.

R. typhina, *L.*; Loud. Arbor. ii. 550, f. 224. Eastern United States. "Staghorn Sumach."

R. americana, *Hort.*

R. canadensis, *Hort.* (not *Michx.*).

R. coriaria, *Hort.* (not *L.*).

R. frutescens, *Hort.*

R. glabra, *Hort.* (not *L.*).

R. gracilis, *Hort.*

R. hirta, *Sudw.*

R. viridiflora, *Poir.* (male plant).

Var. **laciniata.**

R venenata, *DC.*; Loud. Arbor. ii. 552, f. 226. Eastern United States. "Poison Sumach."

R. vernix, *L.*; Watson Dendr. Brit. i. t. 19.

Toxicodendron pinnatum, *Mill.*

R. vernicifera, *DC.* China and Japan. "Lacquer Tree."

R. vernix, *Thunb.* (not *L.*).

R. Wallichii, *Hook. f.* Himalaya.

*Pistacia atlantica, *Desf.* North Africa.

*P. cappadocica, *Planch.* Sicily, &c.
P. hybrida, *Gasparini.*

*P. chinensis, *Bunge.* China.

*P. Lentiscus, *L.*; Bot. Mag. t. 1967. Mediterranean Region. "Mastic Tree."
P. massiliensis, *Mill.*

*P. Terebinthus, *L.*; Bentl. & Trim. Med. Plants t. 69. South Europe. "China Turpentine Tree."

*Schinus bonplandianus, *March.* South Brazil.
S. dependens *var.* subintegra, *Engler.*
Duvaua longifolia, *Lindl.* Bot. Reg. xxix. t. 59.
D. spinescens, *Tenore.*

*S. dependens, *Ortega.* Chili.
Duvaua dependens, *DC.*; Bot. Reg. t. 1573.

Var. ovata.

Coriariaceae.

Coriaria japonica, *A. Gray*; Bot. Mag. t. 7509. Japan.

C. myrtifolia, *L.*; Wats. Dendr. Brit. ii. t. 103. Mediterranean Region. "Redoul."

C. nepalensis, *Wall.* Himalaya.

C. terminalis, *Hemsl.* Hook. Icon. Plant. t. 2220. Western China and Himalaya.
C. nepalensis, *Hort.* (not *Wall.*)

Leguminosae.

*Anagyris foetida, *L.*; Revue Horticole 1869, 290. Mediterranean Region.

*Piptanthus nepalensis, *Sweet* British Flower Garden t. 264. Temperate Himalaya.

Anagyris indica, *Lindl.*

A. nepalensis, *Graham.*

Baptisia nepalensis, *Hook.* Exot. Flora t. 131.

Thermopsis laburnifolia, *G. Don.*

T. nepaulensis, *DC.*

Lupinus arboreus, *L.*; Bot. Mag. t. 682. California. "Tree Lupin."

L. macrocarpus, *Hook. & Arn.*

L. rivularis, *Agardh.*

L. sericeus, *Eschsch.*

*Adenocarpus decorticans, *Boiss.*; Gard. Chron. 1886, xxv. 725, f. 160. Spain.

Laburnum Adami, *Lavall.* (L. vulgare × Cytisus purpureus). "Purple Laburnum."

Cytisus Adami, *Poit.*

C. Laburnum *var.* purpureus, *Hort.*; Bot. Reg. t. 1965.

Laburnum vulgare flore rubro, *Hort.*

L. vulgare purpurascens, *Hort.*

L. alpinum, *J. S. Presl.* Europe. "Scotch Laburnum."

Cytisus alpinus, *Mill.*

Var. autumnalis, *Hort.*

Var. biferum, *Hort.*

L. biflorum, *Hort.*

L. chrysophyllum, *Hort.*

Var. fragrans, *Hort.* (not *Griseb.*).

Var. grandiflorum, *Hort.*

Var. hirsutum, *Hort.*

Var. pilosum, *Wettst.*

L. caramanicum, *Benth. & Hook. f.* Asia Minor.
Cytisus caramanicus, *Lavall.*
Podocytisus caramanicus, *Boiss.*

L. Parksii, *Hort.* (alpinum × vulgare).

L. Vossii, *Hort.* Garden Origin.

L. vulgare, *J. S. Presl.* Europe. "Laburnum."
L. anagyroides, *Medic.*
Cytisus Laburnum, *L.*

Var. **Alschingeri**, *Briq.*
Cytisus Alschingeri, *Vis.*

Var. **Carlieri**, *Hort.*
Cytisus Carlieri, *Hort.*

Var. **foliis aureis.**

Var. **intermedium**, *Hort.*

Var. **involutum**, *Hort.*
L. vulgare monstrosum, *Hort.*
L. vulgare bullatum, *Hort.*

Var. **jacquinianum**, *Beck.*
L. tarquinianum, *Hort.*

Var. **linnaeanum.**
L. vulgare *var.* typicum, *Beck.*
Cytisus Laburnum *subsp*-linnaeanum, *Wettst.*

Var. **monstrosum cristatum**, *Hort.*

Var. **pendulum**, *Hort.*
L. vulgare pendulum elegans, *Hort.*

Var. **quercifolium**, *Hort.*

Var. **semperflorens**, *Hort.*

Var. **sessilifolium**, *Hort.*

. **Watereri**, *Hort.* (alpinum × vulgare.)
Cytisus Watereri, *Wettst.*

tetteria ramentacea, *Presl.* Eastern Europe.
Cytisus fragrans, *Weld.*
C. ramentaceus, *Sieb.*
C. Weldeni, *Vis.*; Bot. Reg. xxxix. t. 40.
Laburnum Weldeni, *Lavallée.*
L. fragrans, *Griseb.*

enista aethnensis, *DC.*; Moris Flora Sardoa t. 28. Sicily, &c.
Dendrospartum aetnense, *Spach.*
Spartium aetnense, *Biv.*; Bot. Mag. t. 2674.
S. trispermum, *Smith.*

anglica, *L.*; Engl. Bot. ed. 3, t. 326. Europe. "Needle Furze, Petty Whin."
G. brutia, *Tenore.*
G. minor, *Lam.*

aspalathoides, *Lam.*; Moris Flora Sardoa tt. 29, 30. South-western Europe.
Spartium erinaceoides, *Loisel.*
S. aspalathoides, *Desf.*

cinerea, *DC.*; Reichb. Ic. Flor. Germ. t. 2092. South-western Europe.
G. ramosissima, *Boiss.* (not *Poir.*).
Spartium cinereum, *Vill.*
S. sphaerocarpum, *Lapeyr.*

ferox, *Poir.* North Africa.

germanica, *L.*; Flora Danica xi. t. 1826. Europe.
Scorpius spinosus, *Moench.*

G. hispanica, *L.*; Rev. Hort. 1888, 36. South west Europe. "Spanish Gorse."

G. villosa, *Lam.*

Spartium hispanicum, *Spreng.*

Ulex nanus, *Hort.* (not *Forst.*).

U. pyramidalis, *Hort.*

G. horrida, *DC.* Southern France, Spain.

G. lusitanica, *Desf.*

Cytisus tragacanthaeformis, *Pourr.*

Spartium horridum, *Vahl.*

Var. **erinacea.** Near Lyons.

G. erinacea, *Gilib.*

G. lugdunensis, *Jord.*

G. pilosa, *L.*; Engl. Bot. ed. 3, t. 327. Europe.

G. radiata, *Scop.*; Reichb. Ic. Flor. Germ. t. 2083. Central and Southern Europe.

G. hispanica, *Hort.* (not *L.*).

G. holopetala, *Reichb.*

Cytisus radiatus, *Kit.*

Spartium radiatum, *L.*

G. sagittalis, *L.*; Reichb. Ic. Flor. Germ. t. 2081. Europe.

G. herbacea, *Lam.*

Cytisus sagittalis, *Kit.*

Spartium sagittale, *Roth.*

G. tinctoria, *L.*; Engl. Bot. ed. 3, t. 328. Europe, &c. "Dyers' Greenweed."

G. fragrans, *Hort.* (not *Spach.*)

Carniola tinctoria, *Presl.*

Spartium tinctorium, *Roth.*

G. tinctoria—*cont.*

Var. elatior.

G. anxantica, *Griseb.*
G. dumetorum, *Hort.*
G. elata, *Wender.*
G. elatior, *Koch.*
G. frutescens, *Hort.*
G. italica, *Hort.*
G. marginata, *Bess.*
G. multibracteata, *Hort.*
G. ovata, *Hort.*
G. polygalaefolia, *Hort.*
G. pubescens, *Lang.*
G. sibirica, *Reichb.*
G. thyrsiflora, *Hort.*
G. virgata, *Hoppe* (not *DC.*).

Var. flore pleno.

Var. mantica.

G. mantica, *Pollini.*

G. virgata, *DC.*; Bot. Reg. xxx. t. 11. Madeira.

G. cinerea, *Hort.* (not *DC.*).
G. elata, *Hort.* (not *Wender.*).
G. gracilis, *Poir.*
Cytisus tener, *Jacq.*
Spartium virgatum, *Ait.*

Spartium junceum, *L.*; Bot. Mag. t. 85. South Europe.
"Yellow Spanish Broom."

Genista juncea, *Lam.*
Spartianthus junceus, *Link.*

Var. flore pleno.

Erinacea pungens, *Boiss.*; Bot. Mag. t. 676. Eastern Pyrenees, North-west Africa.
E. Ervillei, *Hort.*

Ulex europaeus, *L.*; Engl. Bot. ed. 3, t. 323. Europe. "Furze, Whin, Gorse."

Var. **flore pleno.**

Var. **strictus** (Mackay).

U. Gallii, *Planch.*; Engl. Bot. ed. 3, t. 324. Western Europe.

U. nanus, *Forst.*; Engl. Bot. ed. 3, t. 325. Western Europe.
U. europaeus nanus, *Hort.*

***U. parviflorus**, *Pourr.* Reichb. Icon. Fl. Germ. t. 2068. South France, Spain, &c.

***U. welwitschianus**, *Planch.* South-west Europe.

Cytisus albus, *L.* Spain and Portugal. "White Spanish Broom."
C. multiflorus albus, *Hort.*
Genista multiflora, *Loisel.*
Sarothamnus albus, *Presl.*
S. parviflorus, *Willk.*
Spartium album, *Desf.*
S. multiflorum, *L'Hérit.*; Lodd. Bot. Cab. t. 1052.

Var. **incarnatus**, *Hort. Kew.*

C. Ardoini, *Fourn.*; Moggr. Flora of Mentone t. 58. Maritime Alps.

C. austriacus, *L.*; Jacq. Fl. Austr. i. t. 21. Eastern Europe.
C. banaticus, *Griseb.*
C. serotinus, *Hort.* (not *Kit.*).

C. Beanii, *Nichols.* (Ardoini × biflorus). Garden Origin.

C. biflorus, *L'Hérit.*; Bot. Reg. t. 308. **Eastern Europe.**

C. canariensis, *Hort.*

C. caucasicus, *Hort.*

C. elongatus, *Waldst. & Kit.*

C. leucanthus, *Hort.* (not *Waldst. & Kit.*).

C. medicaginoides, *Hort.*

C. polytrichus, *Hort.*

C. ratisbonensis, *Schaeff.*

C. ruthenicus, *Fisch.*

C. serotinus, *Kit.*

C. supinus, *Hort.* (not *Jacquin*).

C. uralensis, *Hort.*

C. capitatus, *Jacq.*; Lodd. Bot. Cab. t. 497. **Europe.**

C. calycinus, *Hort.*

C. nigricans nanus, *Hort.*

C. ciliatus, *Wahlenb.* Eastern Europe.

C. hirsutus *subsp.* ciliatus, *Briquet.*

C. decumbens, *Walp.* Europe.

Genista Halleri, *Reyn.*

G. prostrata, *Lam.*

C. glabrescens, *Sartor.* South Switzerland, North Italy.

C. hirsutus, *L.*; Bot. Mag. t. 6819. **South Europe and Asia Minor.**

C. falcatus, *Waldst. & Kit.*

C. leucotrichus, *Schur.*

C. polytrichus, *Hort.*

C. tournefortianus, *Loisel.*

C. triflorus, *Lam.* (not *L'Hérit.*).

C. uralensis, *Hort.* (in part).

Var. **hirsutissimus.**

C. hirsutissimus, *C. Koch.*

C. kewensis, *Bean.* (Ardoini × albus). Garden origin.

C. leucanthus, *Waldst. & Kit.*; Bot. Mag. t. 1438. Balkans.
C. albus, *Hacquet* (not *L.*).
C. frivaldskyanus, *Degen.*
C. schipkaensis, *Dieck.*

***C. linifolius**, *Lam.* South-west Europe.
Genista linifolia, *L.*
Spartium linifolium, *Desf.*
Teline linifolia, *Webb.*

C. monspessulanus, *L.*; Reich. Ic. Fl. Germ. t. 2079. Mediterranean region.
Genista candicans, *L.*
G. triangularis, *Hort.* (not *Willd.*).
G. triquetra, *Hort.* (not *Ait.*).
Teline candicans, *Webb.*

C. nigricans, *L.*; Bot. Reg. t. 802. Europe.
Lembotropis nigricans, *Griseb.*
C. Carlieri, *Hort.*
C. elongatus, *Hort.* (not *Waldst. & Kit.*).
C. longispicatus, *Hort.*
C. reflexus, *Hort.*

C. praecox, *Hort.* (purgans × albus). Garden origin.

C. purgans, *Boiss.*; Deutsche Garten-Zeitung 1886, 447. South-west Europe.
Genista daurica, *Hort.*
G. purgans, *L.*
G. spartioides, *Hort.*
Sarothamnus purgans, *Gren. & Godr.*
Spartium purgans, *L.*
Spartocytisus purgans, *Webb.*

C. purpureus, *Scop.*; Bot. Mag. t. 1176 Eastern Europe.

C. scoparius, *Link*. Europe. "Common Broom."
Genista scoparia, *Lam.*
Sarothamnus scoparius, *Koch*; Eng. Bot. ed. 3, t. 329.
S. vulgaris, *Wimm.*
Spartium scoparium, *L.*

Var. **andréanus.**
Genista andréana, Revue Horticole 1886, 572.

Var. **flore pleno.**

Var. **foliis variegatis.**

Var. **pendulus.**
C. grandiflorus, *Hort.* (not *DC.*).
Genista grandiflora, *Hort.*

Var. **sulphureus.**

C. sessilifolius, *L.*; Bot. Mag. t. 255. South Europe.
Cytisus quinquefolius, *Hort.*
Lembotropis sessilifolius, *Griseb.*

C. versicolor, *Dippel* (purpureus × hirsutus). Garden origin.
C. purpureus incarnatus, *Hort.*
C. elongatus, *Hort.* (in part).
C. erectus, *Hort.*

Ononis aragonensis, *Asso*; Engl. & Drude, Vegetation der Erde i. 187, f. Pyrenees.

O. fruticosa, *L.*; Bot. Mag. t. 317. South Europe.

O. Natrix, *L.*; Bot. Mag. t. 329. Europe.

O. rotundifolius, *L.*; Bot. Mag. t. 335. South Europe.

Dorycnium suffruticosum, *Vill.*; Jordan Observat. iii. t. 4. South Europe.

*Medicago arborea, *L.*; Lodd. Bot. Cab. t. 1379. South Europe.

*Anthyllis Hermanniae, *L.*; Bot. Mag. t. 2576. South Europe.

Cytisus graecus, *L.*

*Psoralea glandulosa, *L.*; Bot. Mag. t. 990. Chili.

Amorpha californica, *Nutt.* California.

A. canescens, *Nutt.*; Bot. Mag. t. 6618. United States. "Lead Plant, Shoe-strings."

A. fruticosa, *L.*; Bot. Reg. t. 127. South United States. "False Indigo.

A. canescens, *Hort.*
A. caroliniana, *Hort.*
A. coerulea, *Hort.*
A. crocea, *Hort.*
A. dealbata, *Hort.*
A. elatior, *Hort.*
A. emarginata, *Hort.*
A. fragrans, *Hort.*
A. Gardneri, *Hort.*
A. glabra, *Hort.*
A. Lewisii, *Hort.*
A. ludoviciana, *Hort.*
A. marginata, *Hort.*
A. pubescens, *Hort.*
A. tenesseensis, *Hort.*
A. tomentosa, *Hort.*

A. nana, *Nutt.* North America.

A. microphylla, *Pursh.*

A. virgata, *Small* Bull. Torrey Bot. Club. xxi. (1894) 17 t. 171. Georgia.

Indigofera bungeana, *Walp.* China.

I. decora, *Lindl.*; Bot. Mag. t. 5063. China and Japan.
I. floribunda alba, *Hort.*

I. gerardiana, *Wall.* Himalaya.
I. atropurpurea, *Hort.*
I. coronillaefolia, *Hort.*
I. Dosua, Bot. Reg. xxviii. t. 57. (not *Hamilt.*).
I. floribunda, *Hort.*
I. heterantha, *Wall.* (in part).

I. hebepetala, *Benth.* Himalaya.

Wistaria brachybotrys, *Sieb. & Zucc.* Fl. Jap. t. 45. Japan.

W. chinensis, *DC.* China.
W. polystachya, *C. Koch.*
Glycine chinensis, *Sims* Bot. Mag. t. 2083.

Var. flore albo.

Var. flore pleno. Gard. Chron. 1901 xxix., 403, f. 151.

Var. foliis variegatis.

W. frutescens, *DC.* United States.
Glycine frutescens, *L.*; Bot. Mag. t. 2103.

Var. flore albo.

Var. magnifica. Flore des Serres ix. t. 1151.

W. japonica, *Sieb. & Zucc.* Fl. Jap. t. 43. Japan.
Milletia japonica, *A. Gray.*

W. multijuga, *Van Houtte* Flore des Serres t. 2002. China.
W. grandiflora, *Hort.*

Var. flore albo.

Robinia hispida, *L.*; Bot. Mag. t. 311. South United States. "Rose Acacia."
R. montana, *Bartr.*
R. rosea, *Marsh.*

Var. inermis, *Carr.*
R. complexa, *Hort.*
R. hispida rosea, *Hort.*
R. macrophylla, *Hort.*

R. neomexicana, *A. Gray*; Bot. Mag. t. 7726. Rocky Mountains.

Var. luxurians, *Dieck.*

R. Pseudacacia, *L.*; Loud. Arbor ii. 609, tt. 83–86. Eastern United States. "Locust, Acacia."

Var. amorphifolia.

Var. angustifolia.
R. angustifolia elegans, *Hort.*
R. microphylla, *Hort.*
R. myrtifolia, *Hort.*
R. umbraculifera angustifolia, *Hort.*

Var. aurea.

Var. bella-rosea.

Var. bessoniana.

Var. bessoniana latifolia.

Var. coluteoides.

Var. crispa.
R. Pseudacacia insignis, *Hort.*

R Pseudacacia—*cont.*

Var. decaisneana, *Carr.* Rev. Hort. 1863, 151, cum. ic.

Var. decaisneana flore rubro.

Var. dubia.

Var. elegans.

Var. fabreana.

Var. fastigiata.
pyramidalis.
stricta.

Var. gigantea.

Var. heterophylla.

Var. inermis.

Var. inermis latifolia.

Var. inermis variegata.

Var. linearis.

Var. mimosaefolia.

Var. monophylla.
unifoliolata.

Var. monophylla fastigiata.

Var. monopnylla pendula.

Var. pendula.

Var. pendulifolia purpurea.

Var. Rehderi.

Var. revoluta.

Var. robusta Vignei.
R. elegans, *Hort.*
R. microphylla, *Hort.*

R. Pseudacacia—*cont.*

Var. **rosynskiana.**

Var. **semperflorens.**

Var. **tortuosa.**

Var. **ulriciana.**

Var. **variegata.**

R. viscosa, *Vent.* South United States. "Clammy Locust."
R. glutinosa, *Curt.* Bot. Mag. t. 560.

Carmichaelia australis, *R. Br.* New Zealand. "Makaka."
Notospartium nanum, *Hort.*

***C. Enysii**, *T. Kirk.* Trans. N. Z. Inst. xvi. t. 30. New Zealand.

C. flagelliformis, *Colenso.* New Zealand.

Notospartium Carmichaeliae, *Hook. f.* Bot. Mag. t. 6741. New Zealand.

Sphaerophysa Salsula, *DC.* N. Asia, &c.
Colutea caspica, *Bieb.*

Colutea arborescens, *L.*; Bot. Mag. t. 81. Mediterranean region. "Bladder Senna."
C. aurantiaca, *Hort.*
C. arborescens flore luteo, *Hort.*
C. crocea, *Hort.*

Var. **crispa.**

C. cilicia, *Boiss.* Asia Minor.

Var. **bullata.**

C. cruenta, *Ait.* Orient.
C. arborescens flore rubro, *Hort.*
C. brevialata, *Hort.*
C. orientalis, *Lam.*
C. purpurea, *Hort.*
C sanguinea, *Pall.*

C. istria, *Mill.* Asia Minor
C. halepica, *Lam.*
C. microphylla, *Delile.*
C. Pocockii, *Ait.*
C. procumbens, *L'Hérit.*

C. longialata, *Koehne.* Asia Minor.
C. melanocalyx, *Hort.* (not *Boiss.*) Gard. Chron. 1894. xvi. 155, f.

C. persica, *Boiss.* Persia.

Halimodendron argenteum, *DC.* Siberia, &c. "Salt Tree."
Caragana argentea, *Lam.*
Robinia Halodendron, *L Hérit.*; Bot. Mag. t. 1016.
Var. **flore purpureo.**

Caragana arborescens, *Lam.* Siberia, &c.
Caragana inermis, *Moench.*
C. japonica, *Hort.*
C. macracantha, *Hort.*
C. mongolica, *Hort.*
C. vulgaris, *Hort.*
Robinia Caragana, *L.*
Var. **nana**, *Hort.*
Var. **pendula.**
Var. **pulverulenta**, *Hort.*
Var. **Redowskii** (*DC.*).

C. aurantiaca, *Koehne.* Central Asia.

C. arenaria, *Dippel.*

Var. **erecta.**

C. brevispina, *Royle.* Himalaya.

C. triflora, *Lindl. & Paxt.* Flower Garden ii. f. 212.

C. Chamlagu, *Lam.* China and Japan.

C. chinensis, *Turcz.*

Robinia Chamlagu, *L'Hérit.*

R. chinensis, *Pers.*

C. cuneifolia, *Dippel.* Central Asia. ?

C. Redowskii, *Hort.* (not *DC.*).

Robinia Caragana *var.* arenaria, Bot. Mag. t. 1886.

C. frutescens, *DC.*; Sweet Brit. Flower Garden t. 227. South Russia to Japan.

C. cuneata, *Moench.*

C. digitata, *Lam.*

C. Frutex, *C. Koch.*

C. pygmaea, *Hort.* (not *DC.*).

C. rosea, *Turcz.*

Robinia frutescens, *L.*

R. sinensis. *Hort.*

Var. **angustifolia.**

Var. **grandiflora.**

Var. **mollis.**

Var. **pendula.**

Var. **sylvatica.**

C. jubata, *Poir.*; Gartenflora 1861, t. 331. Siberia.

C. microphylla, *Lam.* Altai and Dahuria eastward.

C. Altagana, *Poir.*

C. arborescens arenaria, *Hort.*

Robinia Altagana, *Pall.*

R. glomerata, *Hort.*

C. pygmaea, *DC.*; Bot. Reg. t. 1021. Caucasus to Himalaya.

C. arborescens gracilis, *Hort.*

C. gracilis, *Hort.*

C. spinosa, *DC.* Siberia.

C. spinosissima, *C. Koch.*

Robinia ferox, *Pall.*

R. spinosa, *L.*

C. tragacanthoides, *Poir.* Siberia.

Calophaca wolgarica, *Fisch.*; Watson Dendr. Brit. ii. t. 83. South Russia.

C. nepalensis, *Hort.*

Colutea wolgarica, *Lam.*

Astragalus Echinus, *DC.* Astrag. 197, t. 34. Syria.

A. Tragacantha, *L.*; Watson Dendr. Brit. ii. t. 84. Asia Minor.

Coronilla emeroides, *Boiss.*; Reich. Ic. Flor. Germ. t. 2238. South-east Europe, &c.

C. Emerus, *L.*; Bot. Mag. t. 445. Europe, &c. "Scorpion Senna."

C. pauciflorus, *Lam.*

C. juncea, *L.*; Bot. Reg. t. 820. South Europe.

Hedysarum multijugum, *Maxim.*; Gartenflora t. 1122. Southern Mongolia.

Desmodium bracteosum, *DC.* North America "Tick-trefoil, Tick-seed."

D. cuspidatum, *Hook.*

Meibomia bracteosa, *O. Kuntze*; Britton & Brown Illustr. Flora ii. 317, f.

D. canescens, *DC.* North America.

Meibomia canescens, *O. Kuntze*; Britton & Brown Illustr. Flora ii. 317, f.

D. ciliare, *DC.* North America.

Meibomia obtusa, *Vail*; Britton & Brown Illustr. Flora ii. 321, f.

D. marylandicum, *Boott.* North America.

Meibomia marylandica, *O. Kuntze*; Britton & Brown Illustr. Flora ii. 320, f.

D. paniculatum, *DC.* North America.

Meibomia paniculata, *O. Kuntze*; Britton & Brown Illustr. Flora ii. 318, f.

D. tiliaefolium, *G. Don.* Himalaya.

D. viridiflorum, *Beck.* United States.

Meibomia viridiflora, *O. Kuntze*; Britton & Brown Illustr. Flora ii. 319, f.

Lespedeza bicolor, *Turcz.*; Garden and Forest 1892, 114, f. 18. China and Japan.

Var. **intermedia.**

L. Buergeri, *Miq.* Japan.

L. capitata, *Michx.*; Britton & Brown Illustr. Flora ii. 324, f. "Round-headed Bush Clover."

Hedysarum frutescens, *Willd.*

L. cyrotobotrya, *Miq.* Japan.

L. gerardiana, *R. Grah.* Himalaya.

L. juncea, *Pers.* Himalaya, &c.

L. macrocarpa, *Bunge.* China.

L. Sieboldi, *Miq.*; Garden and Forest 1892, 115, f. 19. North China and Japan.

L bicolor, *Hook. f.*; Bot. Mag. t. 6602.

L. bicolor *var.* Sieboldi, *Maxim.*

Desmodium japonicum, *Hort.* (not *Miq.*).

D. penduliflorum, *Oudem.* Gard. Chron. 1883, xx. 749.

D. racemosum, *Sieb. & Zucc.*

L. violacea, *Pers.*; Britton & Brown Illustr. Flora ii. 322, f. "Bush Clover."

Cladrastis amurensis, *Benth.*; Bot. Mag. t. 6551. Amurland.

Maackia amurensis, *Rupr.*

Var. Buergeri, *Hort.*

C. tinctoria, *Rafin.* United States. "Yellow Wood."

C. lutea, *C. Koch*; Sargent Silva of North America tt. 119, 120.

Virgilia lutea, *Michx.*

Sophora japonica, *L.*; Andrews Bot. Repos. ix. t. 385. China.

S. sinica, *Hort.*

Styphnolobium japonicum, *Schott.*

Var. pendula.

Var. variegata.

S. Korolkowi, *Hort.* China.

S. macrocarpa, *Sm.*; Lodd. Bot. Cab. t. 1125. Chili.
Edwarsia chilensis, *Miers.*

S. pachycarpa, *Schrenk.* Central Asia.
Goebelia pachycarpa, *Bunge.*

***S. secundiflora**, *Lag.*; Rev. Hort. 1854, 201, t. 11. Mexico.

S. tetraptera, *Ait.*; Bot. Mag. t. 167. New Zealand. "Houma."
Edwardsia grandiflora, *Salisb.*

Var. **microphylla**, *Hook. f.*
Sophora microphylla, *Ait.*
Edwardsia microphylla, *Salisb.*
E. macnabiana, *R. Grah.* Bot. Mag. t. 3735.

S. viciifolia, *Hance.* China.

S. violacea, *Hort.* (not *Thwaites*). China.

Platyosprion platycarpum, *Maxim.* Japan.
Sophora platycarpa, *Maxim.*
Styphnolobium platycarpum, *Hort.*

Caesalpinia japonica, *Sieb. & Zucc.*; Gard. Chron. 1888, iv. 513, f. 73. Japan.
C. crista, *Thunb.*
C. sepiaria, *Miq.*

Gymnocladus canadensis, *Lam.*; Loud. Encycl. of Trees and Shrubs 256, f. 418. North America. "Kentucky Coffee Tree."
G. dioicus, *C. Koch*; Sargent Silva of North America tt. 123, 124.
Hyperanthera dioica, *Vahl.*

Var. **foliis variegatis.**

***G. chinensis**, *Baill.*; Hook. Ic. Pl. t. 1412. China.

Gleditschia aquatica, *Marsh.*; Sargent Silva of North America tt. 127, 128. South United States. "Water Locust."

G. monosperma, *Walt.*

G. inermis, *Miller.*

G. australis, *Hemsl.* Journ. Linn. Soc. xxiii. t. 5. South China.

G. sinensis, *Hort.* (not *Lam.*).

G. Delavayi, *Franch.* Yunnan.

G. japonica, *Miq.*; Sargent Forest Flora of Japan t. 11. Japan.

G. macracantha, *Desf.* China?

G. Fontanesii, *Spach.*

G. sinensis, *Lam.* China, &c.

G. ferox, *Desf.*

G. horrida, *Willd.*

G. macrantha, *Hort.*

G macrosperma, *Hort.*

Var. **nana.**

G. inermis. *Hort.*

Var. **pendula.**

G. texana, *Sargent.* Texas.

G. triacanthos, *L.*; Loud. Arb. et Frut. ii. 650, f. 90–1; Sargent Silva of North America tt. 125, 126. Eastern United States. "Honey Locust."

G. brachycarpa, *Pursh.*

G. Bujoti, *Hort.*

G. caspica, *Hort.* (not *Desf.*).

G. spinosa, *Marsh.*

Var. **foliis variegatis.**

G. Bujoti pendula.

G. excelsa pendula.

Cassia marylandica, *L.*; Bentl. & Trimen Medic. Pl. t. 88. United States. "Wild or American Senna."

Cercis canadensis, *L.*; Loud. Arb. et Frut. ii. 659, f. 101–3; Sargent Silva of North America tt. 133, 134. North America. "Redbud."

Siliquastrum canadense, *Moench.*

Var. **flore pleno.**

Var. **pubescens.**

C. chinensis, *Bunge.* China and Japan.

C. japonica, Flore des Serres t. 849.

C. occidentalis, *A. Gray.* California.

C. californica, *Torr.*

C. reniformis, *S. Watson.* Texas.

C. texensis, *Sargent* Silva of North America t. 135.

C. Siliquastrum, *L.*; Bot. Mag. 1138. Mediterranean region. "Judas Tree."

Var. **alba.**

Var. **carnea.**

***Albizzia Julibrissin**, *Durraz.* Orient. "Pink Siris."

Acacia Julibrissin, *Willd.*

Mimosa Julibrissin, *Forst.*

Rosaceae.

† AMYGDALUS.

Prunus Amygdalus, *Stokes*; Bentl. & Trim. Med. Pl. t. 99. South Europe, Levant, &c.

Amygdalus communis, *L.* "Almond."

Prunus Amygdalus—*cont.*

Var. **alba.**

Var. **amara**, *Stokes.* "Bitter Almond."
Amygdalus communis *var.* amara, *DC.*
A. amara, *Hayn.*

Var. **amara sylvestris.**

Var. **dulcis**, *Stokes.* "Sweet Almond."
Amygdalus communis *var.* dulcis, *DC.*

Var. **macrocarpa**, *Nichols.*
Amygdalus communis *var.* macrocarpa, *Ser.*

Var. **pendula.**

Var. **pumila.**

Var. **persicoides**, *Nichols.* ? Amygalus × Persica.
Persica amygdaloides, *Duham.*
Amygdalus communis *var.* persicoides, *Ser.*

P. Andersoni, *Greene.* Western United States.

P. davidiana, *Franchet*; Gard. Chron. 1892, xi. 529, f.
China.
P. Persica *var.* davidiana, *Dipp.*
Persica davidiana, *Carr.* Rev. Hort. 1872, 75, f. 10.
Amygdalus davidiana, *Dieck.*
Armeniaca davidiana, *Hort.*
(The presumed source of the cultivated Peach.)

P. eburnea, *Aitch. & Hemsl.* Persia, &c.
Amygdalus eburnea, *Spach.*

P. incana, *Stev.*; Bot. Reg. xxv. t. 58. Asia Minor, &c.
Amygdalus incana, *Pall.*
A. nana *var.* incana, *Loud.*
Cerasus incana, *Boiss.*

P. Jacquemontii, *Hook. f.*; Bot. Mag. t. 6976. Afghanistan, &c.

P. humilis, *Brandis* (not *Bunge*).

Amygdalus humilis, *Edgew.*

P. nana, *Stokes.* South Russia, &c. "Russian Almond."

Amygdalus nana, *L.*; Bot. Mag. t. 161.

Var. **alba.**

Var. **georgica.**

Var. **gessleriana.**

***P. orientalis**, *Walp.* Orient.

Amygdalus argentea, *Lam.*

A. orientalis, *Ait.*; Lodd. Bot. Cab. t. 1137.

Cerasus orientalis, *Spach.*

P. Persica, *Stokes.* China, &c. "Peach."

Persica vulgaris, *Mill.*

Amygdalus Persica, *L.*

Var. **camelliaeflora.**

Var. **Chrysanthemum.**

Var. **dianthiflora plena.**

Var. **flore albo pleno.**

Amygdalus prunifolius flore albo, *Hort.*

Var. **flore roseo pleno.**

Amygdalus prunifolius flore pleno, *Hort.*

Var. **foliis aureis.**

Var. **foliis rubris.**

Persica atropurpurea, *Hort.*

Amygdalus Persica foliis rubris, Flore des Serres t. 1986.

Amygdalus atropurpurea, *Hort.*

P. Persica—*cont.*

Var. Hancei pendula.

Var. ispahanensis.

Amygdalus ispahanensis, *Thouin.*

A. nectarina, *Ait.*

Var. magnifica.

P. Simonii, *Carr.*; Rev. Hort. 1872, 111 (coloured plate). China. "Apricot Plum."

Persica Simoni, *Lavallée.*

Amygdalus Simonii, *Dieck.*

†† ARMENIACA.

P. Armeniaca, *L.* Northern China, &c. "Apricot."

Armeniaca vulgaris, *Lam.*

P. brigantiaca, *Vill.* South-east France. "Briançon Apricot."

P. armeniaca *var.* brigantiaca, *Dippel.*

P. brigantina, *Nyman.*

Armeniaca brigantiaca, *Pers.*

P. dasycarpa, *Ehrh.*; Bot. Reg. t. 1243. ? Garden Hybrid. "Black Apricot."

P. Armeniaca *var.* dasycarpa, *C. Koch.*

Armeniaca atropurpurea, *Loisel.*

A. dasycarpa, *Pers.*

A. fusca, *Turp. & Poit.*

P. Mume, *Sieb. & Zucc.* Fl. Jap. i. 29, t. 11. Japan. "Mume, Japanese Apricot."

P. Myrobalana fl. roseis, *Hort. gall.*

Armeniaca Mume, *De Vriese.*

Var. flore pleno.

Var. pendula.

P. sibirica, *L.*; Lodd. Bot. Cab. t. 1627. Mongolia.

P. Armeniaca *var.* sibirica, *C. Koch.*

Armeniaca sibirica, *Pers.*

P. tomentosa, *Thunb.*; Sieb. & Zucc. Fl. Jap. i. 51, t. 22. China and Japan.

P. trichocarpa, *Bunge.*

Armeniaca tomentosa, *Hort.*

P. triloba, *Lindl.*; Flore des Serres t. 1532. China.

Amygdalopsis Lindleyi, *Carr.*

Armeniaca triloba, *Hort.*

Prunopsis Lindleyi, *André.*

Var. **Petzoldii**, *Nichols.*

P. Petzoldi, *C. Koch.* Deutsche Garten Zeitung 1886, 257.

P. virgata, *Hort.*

Amygdalopsis virgata, *Hort.*

Amygdalus chinensis, *Hort.*

Armeniaca Petzoldii, *Hort.*

††† Prunus.

P. alleghaniensis, *Porter*; Sargent Silva of North America t. 153. South United States. "Allegheny Plum."

P. americana, *Marsh*; Sargent Silva of North America t. 150. North America. "Wild Yellow or Red Plum."

P. texana, *Scheele.*

Var. **salicifolia.**

P. angustifolia, *Marshall*; Sargent Silva of North America t. 152. South-eastern United States. "Chickasaw Plum, Mountain Cherry."

P. Chicasa, *Michx.*

Cerasus Chicasa, *Ser.*

P. baldschuanica, *Regel*. Bokhara.

P. cerasifera, *Ehrh.*; Bot. Mag. t. 5934. ? Caucasus.
"Myrobalan, Cherry Plum."
P. domestica *var.* Myrobalan, *L.*
P. mirobalana, *Loisel.*
Cerasus myrobalanos, *Hort.*

Var. angustifolia pendula, *Dieck.*

Var. atropurpurea, *Dieck.* Persia.
P. Pissardi, *Carr.* Rev. Hort. 1881. 190 (coloured plate).

P. Cocumilio, *Tenore* Flora Napolit. t. 144. South Italy.

P. communis, *Hudson*. Origin uncertain. "Wild Plum."
P. domestica, *L.*; Eng. Bot. ed. 3, t. 410.

Var. claudiana.
P. claudiana, *Poir.*

Var. juliana. "Prunier de St. Julien."
P. domestica *var.* juliana, *DC.*

Var. juliana pendula.

Var. pruneauliana. "Quetsche."
P. domestica *var.* pruneauliana, *DC.*
P. oeconomica, *Borkh.*
P. pyramidalis, *DC.*

Sub-var. flore pleno.
P. oeconomica flore pleno.

P. divaricata, *Ledeb.*; Bot. Mag. t. 6519. Caucasus.
P. cerasifera *var.* divaricata, *Bailey.*

P. hortulana, *Bailey*; Sargent Silva of North America t. 151. North America. "Wild Goose Plum."

P. insititia, *L.*; Eng. Bot. ed. 3, t. 409. Europe, Orient. "Bullace."

P. italica, *Borkh. var.* flore pleno. Origin uncertain.
Polypetalia speciosa, *Hort.*

P. maritima, *Wangenh.*; Britt. & Br. Illustr. Flora ii. 249, f. East United States. "Beach Plum."
P. acuminata, *Michx.* (not *Hook. f.*).

Var. **fructu luteo.**

P. monticola, *C. Koch.* Asia Minor.

P. nigra, *Ait.*; Sargent Silva of North America t. 149. North America, &c. "Canada Plum, Red Plum."

P. orthosepala, *Koehne.* Texas.

P. plantierensis, *Hort.* ? A cultivated form of P. cerasifera.

P. spinosa, *L.*; Eng. Bot. ed. 3, t. 408. Europe, North Asia. "Sloe, Blackthorn."
P. fruticans, *Weihe.*

Var. **flore pleno.**

P. tarda, *Sargent.* Eastern Texas.

P. triflora, *Roxb.* China, &c. "Japanese Plum."
P. japonica, *Hort.* (not *Thunb.*).

P. Watsoni, *Sargent* Garden and Forest 1894, 134 f. 25. Nebraska to Arkansas. "Sand Plum."
P. angustifolia *var.* Watsoni, *Waugh.*

†††† Cerasus.

P. acida, *Borkh.* Europe.
Cerasus acida, *Dum.*
C. caproniana, *DC.*

P. acida—*cont.*

Var dumosa.

Var. flore pleno foliis variegatis.

Var. humilis, *Hort.*

Cerasus caproniana humilis, *Hort.*

Var. Marasca.

Var. salicifolia.

Var. semperflorens. "All Saints' Cherry."

P. semperflorens, *Ehrh.*

Cerasus semperflorens, *DC.*

C. vulgaris var. semperflorens, *Loud.* Encycl. 281, f. 449.

Var. umbraculifera.

P. Avium, *L.*; Eng. Bot. ed. 3, t. 411. Europe, &c. "Gean, Mazzard."

Cerasus Avium, *Moench.*

C. domestica, *Hort.*

C. dulcis, *Gaertn.*

C. nigra, *Mill.*

C. sylvestris, *Loud.*

Var. asplenifolia.

Var. decumana.

C. macrophylla, *Hort.*

C. nicotianaefolia. Belgique Horticole 1866, 65, pl. 5, 6.

Var. flore pleno.

Prunus Avium multiplex, *Hort.*

Cerasus domestica flore pleno, *Hort.*

Var. juliana.

C. juliana, *DC.*

P. Avium—*cont.*

Var. laciniata.

C. vulgaris laciniata, *Hort.*

Var. nana.

Var. pendula.

C. latifolia pendula, *Hort.*

Var praemorsa.

P. Besseyi, *Bailey*; Britton & Brown Illustr. Flora ii. 251, f. North-western United States. "Sand Cherry."

P. pumila *var.* Besseyi, *Waugh.*

P. Cerasus, *L.*; Eng. Bot. ed. 3, t. 412. Europe, &c. "Wild or Dwarf Cherry, Morello Cherry."

P. acida, *Ehrh.*

P. austera, *Ehrh.*

Cerasus acida, *Mill.*

C. vulgaris, *Mill.*

Var. persiciflora.

Cerasus vulgaris *var.* persiciflora, *Loud.*

Var. Rhexii flore pleno. Garten Zeitung 1886, 224, f. 53–4.

C. caproniana multiplex, *Hort.*

C. caproniana ranunculiflora, *Hort.* Flore des Serres t. 1805.

C. ranunculiflora, *Hort.*

P. Chamaecerasus, *Jacq.* Icon. Plant. Rar. t. 90. Europe. "Ground Cherry."

P. fruticosa, *Pall.* Flora Rossica i. t. 19; Revue Hortic. 1902, 88, t.

P. intermedia, *Poir.*

Cerasus Chamaecerasus, *Loisel.*

C. fruticans, *Hort.*

C. intermedia, *Loisel.*

P. Chamaecerasus—*cont.*

C. pumila, *Pall.*

C. sibirica, *Hort.*

Chamaecerasus fruticosa, *Pers.*

Var. **pendula.**

C. japonica pendula, *Hort.*

C. myrtifolia pendula, *Hort.*

C. pennsylvanica pendula, *Hort.*

Var. **reflexa**, *Hort.* ? Chamaecerasus × semperflorens.

Var. **variegata.**

P. sinensis variegata, *Hort.*

P. fenzliana, *Fritsch.* Caucasus.

P. humilis, *Bunge.* China.

P. japonica, *Carr.* Rev. Hort. 1873, 457, f. 41 (not *Thunb.*).

P. Bungei, *Walp.*

P. japonica, *Thunb.*; Sieb. & Zucc. Fl. Jap. i. 172, t. 90. China and Japan.

P. chinensis, *Blume.*

P. sinensis, *Pers.*

Cerasus glandulosa, *Loisel.*

C. japonica, *Loisel.*

Var. **flore albo pleno**, *Sieb. & Zucc.* Fl. Jap. i. 172, t. 90, f. iii.

Var. **flore roseo pleno.**

Amygdalus pumila, *Sims* Bot. Mag. t. 2176.

P. Maximowiczii, *Rupr.*; Garden and Forest 1893, 195, f. 31. Japan.

P. microcarpa, *C. A. Mey.* Persia, &c.

P. miqueliana, *Maxim.*; Garden and Forest 1888, 196, f. 37. Japan.

Cerasus herincquiana, *Lavallée* Arb. Segrez. t. xxxv.

P. pendula, *Maxim.*; Garden and Forest 196, f. 36. Japan. "Rose-bud Cherry."

Cerasus Itosakura, *Sieb.*

C. japonica rosea, *Hort.*

C. pendula rosea, *Hort.*

C. subhirtella, *Miq.* (in part.)

P. pensylvanica, *L. f.*; Sargent Silva of North America t. 156. North America. "Wild Red Cherry."

P. borealis, *Poir.*; Lodd. Bot. Cab. t. 1596.

P. lanceolata, *Willd.*

Cerasus borealis, *Michx.*

C. pensylvanica, *Loisel.*

P. prostrata, *Labill.*; Sibth. & Sm. Fl. Graeca t. 478. Orient.

Cerasus prostrata, *Spach.*

P. Pseudo-cerasus, *Lindl.*; Gard. Chron. 1890, vii. 609, f. 99. China and Japan.

P. paniculata, *Ker.* Bot. Reg. t. 800.

Cerasus caproniana flore roseo pleno.

C. lannesiana, *Carr.*

C. Pseudo-cerasus, *Loud.*

C. Sieboldi rubra, *Hort.*

C. Watereri, *Hort.*

Var. flore luteo pleno. Gard. Chron. 1896, xix. 516, f. 79.

P. Puddum, *Roxb.* Himalaya.

P. pumila, *L.*; Britt. & Br. Illustr. Flora ii. 250, f. North America. "Sand Cherry."

P. depressa, *Pursh*; Lodd. Bot. Cab. t. 1607.

P. prostrata, *Hort.* (not *Labill.*).

P. Susquehana, *Willd.*

Cerasus depressa, *Ser.*

C. glauca, *Moench.*

C. pumila, *Michx.*

C. Susquehana, *Eat. & Wright.*

P. serrulata, *Lindl.* China and Japan.

P. serratifolia rosea plena, *Hort.*

Cerasus serrulata, *G. Don.*; Nichols. Dictionary of Gardening f.

C. carnea plena, *Hort.*

C. hortensis flore roseo pleno, *Hort.*

C. juliana rosea, *Hort.*

C. Sieboldi, *Carr.*

C. sinensis nova, *Hort.*

P. subhirtella, *Miq.*; Bot. Mag. t. 7508. Japan.

P. tortuosa, *Dieck.* Asia Minor, &c.

Cerasus tortuosa, *Boiss. & Heldr.*

†††† Padus.

P. cornuta, *Royle.* Himalaya.

Cerasus cornuta, *Wall.*

Padus cornuta, *Carr.* Rev. Hort. 1869, f. 61.

P. Cuthbertii, *Small.* Central Georgia.

P. demissa, *Walp.*; Britt. & Br. Illustr. Flora ii. 252, f. United States.

P. virginiana *var.* demissa, *Torr.*

Cerasus demissa, *Nutt.*

Padus demissa, *Roem.*

P. emarginata, *Walp.*; Sargent Silva of North America t. 157. Western United States.

P. pattoniana, *Hort.*

Cerasus pattoniana, *Carr.* Rev. Hort. 1872, 135, f.

P. graeca, *Desf.* (Mahaleb × Avium). Europe.

P. cerasifolia, *Hort.*

Cerasus fontanesiana, *Spach.*

P. grayana, *Maxim.* Japan.

P. Padus *var.* japonica, *A. Gray.*

P. Maacki, *Rupr.* Mandshuria.

P. Mahaleb, *L.*; Jacq. Fl. Austr. iii. t. 227. Europe, &c "Bois de Ste. Lucie, St. Lucie Cherry."

P. cupaniana, *Guss.*

P. odorata, *Lam.*

Cerasus Mahaleb, *Mill.*

Padus Mahaleb, *Borck.*

Var. chrysocarpa.

Var. globosa.

Var. monstrosa.

Var. pendula.

Var. variegata.

P. Padus, *L.*; Eng. Bot. ed. 3, t. 413. Europe, Asia. "Bird-Cherry."

Cerasus Padus, *DC.*

Padus germanica, *Borck.*

P. racemosa, *Lam.*

Var. aucubaefolia, *Hort.*

Var. aurea.

Var. flore pleno.

Var. leucocarpa.

Var. pendula.

Var. pubescens.

Var. rotundifolia, *Hort.*

P. laucheana, *Bolle.*

Var. sibirica parviflora.

Var. stricta, *Hort.*

P. serotina, *Ehrh.*; Sargent Silva of North America t. 159. United States. "Rum Cherry, Wild Black Cherry."

P. cartilaginea, *Lehm.*

Padus cartilaginea, *Roem.*

P. serotina, *Agardh.*

Var. asplenifolia.

Var. pendula.

Padus serotina pendula, *Hort.*

Var. salicifolia, *Koehne.* Southern United States, Mexico, Peru. "Capollin."

P. Capuli, *Cav.*

P. copallina, *Hort.*

P. salicifolia, *H. B. K.*

Cerasus Capollin, *DC.*

C. Capuli, *Ser.*; Lavall. Arbor. Segrez. t. xxxiv.

Padus capulinos, *Hort.*

P. Ssiori, *F. Schmidt.* Sachalin.

P. virginiana, *L.*; Sargent Silva of North America t. 158. United States. "Choke Cherry."

P. rubra, *Ait.*

Padus oblonga, *Moench.*

P. serotina, *Roem.*

Cerasus micrantha, *Spach.*

C. virginiana, *Loisel.*

Var. asplenifolia.

Var. nana monstrosa, *Hort.*

†††††† Laurocerasus.

*P. caroliniana, *Ait.*; Sargent Silva of North America t. 160. Southern United States. "Wild Orange, Mock Orange."

*P. caroliniana—*cont.*

P. serratifolia, *Marsh.*

Cerasus caroliniana, *Michx.*; Loud. Arbor. ii. 720. f. 423.

Laurocerasus caroliniana, *Roem.*

Padus caroliniana, *Hort.*

*P. ilicifolia, *Walp.*: Sargent Silva of North America t. 162. Western United States. "Islay, Spanish Wild Cherry."

Cerasus ilicifolia, *Nutt.*; Paxt. Fl. Gard. iii. 44, f. 254.

Laurocerasus ilicifolia, *Roem.*

*Var. integrifolia, *Sudw.*; Sargent Silva of North America t. 163. "Catalina Cherry."

P. occidentalis, *Hort.* (not *Sw.*).

P. Laurocerasus, *L.*; Bentl. & Trim. Med. Pl. t. 98. East Europe, Orient. "Cherry Laurel."

Cerasus Laurocerasus, *Loisel.*

Padus Laurocerasus, *Mill.*

Var. angustifolia.

Var. Bernhardti.

Var. camelliaefolia.

magnoliaefolia.

Var. caucasica. Gard. Chron. 1889, v. 620, f.

Var. colchica. Gard. Chron. 1889, v. 620, f.

Var. compacta.

Var. foliis variegatis.

Var. latifolia.

Var. Otinii.

Var. parvifolia.

Hartogia capensis, *Hort.*

P. Laurocerasus—*cont.*

Var. pyramidalis.

Var. rotundifolia.

Var. salicifolia..

Var. schipkaensis.

Var. serbica.

Var. versaillensis.

P. lusitanica, *L. f.* Spain and Portugal. "Portugal Laurel."

Cerasus lusitanica, *Loisel.*

Padus eglandulosa, *Moench.*

P. lusitanica, *Borck.*

Var. azorica.

Var. coriacea.

Var. myrtifolia.

Var. ormstoniensis.

Var. variegata.

Nuttallia cerasiformis, *Torr. & Gray*; Gard. Chron. 1883, xix. 309, f. 44. California. "Oso Berry."

Prunus californica, *Hort.*

Spiraea acutifolia, *Willd.* Origin uncertain.

S. Aitchisoni, *Hemsl.*; Gard. Chron. 1900, xxviii. 254, f. 75. Afghanistan.

Sorbaria Aitchisoni, *Hemsl.*

S. albiflora × pachystachys.

S. alpina, *Pall.* Fl. Rossica i. 35, t. 20. North-eastern Asia.

S. arguta, *Zabel.* Garden origin.
S. multiflora alba, *Hort.*

S. assimilis, *Zabel.* (betulifolia × pumila).

S. bella, *Sims* Bot. Mag. t. 2426. Temperate Himalaya.
S. amoena, *Hort.*
S. callosa indica, *Hort.*
S. Hookeri, *Hort.*
S. ovata, *Hort.*

S. betulifolia, *Pall.* Fl. Ross. i. t. 16. Northern Hemisphere.
S. betulifolia *var.* rosea.
S. chamaedrifolia *var.* betulifolia, *Loud.* Arb. et Frut. Brit. ii. 725.
S. splendens, *Hort.*

S. blanda, *Zabel.* (cantoniensis × pubescens).
S. arctica, *Hort.*

S. Blumei, *D. Don.*; Belgique Horticole 1858, 129, t. China and Japan.
S. chamaedrifolia, *Blume* (not *L.*).
S. rupestris, *Sieb.*

S. brachybotrys, *Lange* (canescens × Douglasi). Garden Hybrid.
S. luxuriosa, *Lavall.*
S. pruinosa, *Kirchn.*

S. bracteata, *Zabel.* Garten-Zeitung 1886, 21, f.; Bot. Mag. t. 7429. Japan.
S. nipponica, *Maxim.*
S. rotundifolia alba, *Hort.*

S. brumalis, *Lange.* Garden origin.
S. vaccinifolia, *Hort.* (not *D. Don*).

S. bullata, *Maxim.* Gardener's Magazine, July 31, 1886, 446. Japan.
S. crispifolia, *Hort.*

S. caespitosa, *Nutt.* Rocky Mountains.
Petrophyton caespitosum, *Rydb.*

S. cana, *Waldst. & Kit.* Eastern Europe.
S. hypericifolia, *Hort.* (not *L.*).
S. regeliana, *Hort.* (not *C. Koch*).

S. canescens, *D. Don.* Himalaya.
S. argentea, *Hort.*
S. cuneata, *Hort.*
S. cuneifolia, *Wall.*
S. cuneifolia glauca, *Hort.*
S. dahurica, *Hort.*
S. decumbens, *Hort.* (not *W. Koch*).
S. flagellaris, *Hort.*
S. flagelliformis, *Hort.*
S. hypericifolia crenata, *Hort.*
S. indica, *Hort.*
S. lanata, *Hort.*
S. myrtifolia, *Hort.*
S. nepalensis, *Hort.*
S. nivea, *Hort.*
S. nutans, *Royle.*
S. ovalifolia, *Hort.*
S. rhamnifolia, *Hort.*
S. rhombifolia, *Hort.*
S. rotundifolia, *Lindl.*
S. ruscifolia. *Hort.*
S. serrata, *Hort.*
S. serratifolia, *Hort.*
S. Standishi, *Hort.*
S. vaccinifolia, *Hort.* (in part).

S. cantoniensis, *Lour.* China, Japan, and Himalaya.
S. corymbosa, *Roxb.*
S. japonica, *Sieb.* (not *L. f.*).
S. lanceolata, *Poir.*
S. reevesiana, *Lindl.* Bot. Reg. xxx. t. 10.

Var. **flore pleno.**

S. chamaedrifolia, *L.*; Bot. Reg. xv. t. 1222. Europe, &c.
S. ceanothifolia, *Tausch.*
S. rothomagensis, *Hort.*
S. ulmifolia, *Scop.*

Var. **flexuosa**, *Maxim.* South Siberia, &c.
S. flexuosa, *Fisch.*

Var. **Jakobsenii.**

Var. **subracemosa.**

S. conferta, *Zabel* (cana × crenata). Garden origin.
S. savranica, *Hort.*

S. conspicua, *Zabel.* Garden hybrid.

S. corymbosa, *Rafin.*; Lodd. Bot. Cab. t. 671. United States.
S. crataegifolia, *Link.*

S. crenata, *L.*; Lodd. Bot. Cab. t. 1252. Eastern Europe, &c.
S. crenifolia, *C. A. Meyer.*

S. dasyantha, *Bunge.* China.
S. chinensis, *Maxim.*
S. pubescens, *Lindl.* Bot. Reg. 1847 t. 38.

S. decumbens, *W. Koch*; Gard. Chron. 1879, xi. 752, f. 108. Europe.
S. procumbens, *Hort.*

S. decumbens—*cont.*

Var. **tomentosa**, *Poech.* Tyrol, &c.
S. decumbens *var.* bellunensis, *Bizzozero.*
S. Hacqueti, *Fenzl.*
S. lancifolia, *Hoffmansegg.*
S. pubescens, *Hort.* (not *Turcz.*).

S. discolor, *Pursh.* North-west America.
S. ariaefolia, *Smith*; Bot. Reg. t. 1365.

Var. **dumosa**, *S. Watson.* California.
S. dumosa, *Nutt.*
S. Boursieri, *Carr.* Rev. Hort. 1859, 519, f. 108.

S. Douglasi, *Hook.* Bot. Mag. t. 5151. North-west America.
S. tomentosa argentea, *Hort.*

S. Douglasi × **superba.** Garden origin.

S. expansa, *Wall.* Himalaya.
S. kumaonensis, *Hort.*

S. Fontanesii, *Billiard.* (canescens × salicifolia).

S. gemmata, *Zabel.* China.

S. Henryi, *Hemsl.* Journ. Linn. Soc. xxiii. t. 6. Central China.

S. hypericifolia, *L.* Northern Hemisphere.
S. thalictroides, *Pall.*

S. inflexa, *C. Koch.* (crenata × mollis).

S. intermedia, *Lemoine* (japonica alba × Douglasii).

S. japonica, *L. f.* India, China, and Japan.
S. bellioides, *Hort.*
S. callosa, *Thunb.*
S. Fortunei, *Planch.*; Bot. Mag. t. 5164.

S. japonica—*cont.*

Var. **alba.**

S. albiflora, *Miquel.*

S. callosa flore albo.

S. lanceolata, *Hort.* (not *Poir.*).

Var. **Bumalda.**

S. Bumalda, *Hort.*; Revue de l'Hort. Belge 1891, xvii. 12.

Var. **Froebelii.**

Var. **glabrata,** *Nichols.*

S. glabrata, *Lange.*

Var. **macrophylla,** *Zabel.*

S. Fortunei macrophylla, *Hort.*

Var. **ruberrima.**

S. ruberrima, *C. Koch.*

Var. **superba.**

S. callosa superba, *Hort.*

S. laevigata, *L.* Sîberia, &c

Sibiraea laevigata, *Maxim.*

S. lindleyana, *Wall.*; Bot. Reg. xxxi. 33. Himalaya, &c.

Sorbaria lindleyana, *Maxim.*

S. longigemmis, *Maxim.*; Garden and Forest 1894, 345, f. 56. China.

S. Margaritae, *Zabel.* (japonica × superba).

S. media, *F. Schmidt.* Europe, &c.

S. confusa, *Reg. & Korn.*

S. oblongifolia, *Waldst.*

Var. **glabrescens,** *Zabel.*

S. Menziesii, *Hook.* North-western America.

Var. angustifolia, *Zabel.*

Var. Billiardii, *Hort.*

Var. eximia, *Hort.*

Var. lenneana, *Hort.*

Var. macrothyrsa, *Zabel.*

Var. ovalifolia, *Zabel.*

Var pseudo-Douglasii, *Zabel.*

Var. triumphans, *Hort.*

S. microthyrsa, *Zabel* (salicifolia × media).

S. Millefolium, *Torr.*; Garden and Forest 1889, 509, f. 137; Bot. Mag. t. 7810. California, &c.

S. mongolica, *Maxim.* Mongolia and China.

S. nivea, *Hort.* (canescens × expansa).

Var. albo-carnea.

S. nobleana, *Hook.* Bot. Mag. t. 5169. California.

S. californica, *Hort.*

S. paniculata rosea, *Hort.*

S. sanssouciana, *C. Koch.*

S. syringiflora, *Hort.*

S. notha, *Zabel.* (corymbosa × latifolia).

Var. supercorymbosa.

Var. superlatifolia.

S. pikoviensis, *Besser.* (crenata × media).

S. Nicoudierti, *Bosc.*

S. prunifolia, *Sieb & Zucc.* China and Japan.

Var. flore pleno. Fl. Jap. t. 70.

S. pubescens, *Turcz.*; Garden and Forest 1888, 331, f. China, &c.

S. chinensis, *Hort.*

S. pulchella, *Kunze.* (bella × expansa).

S. revirescens, *Zabel.* (expansa × japonica).

Var. parviflora, *Zabel.*

S. salicifolia, *L.* Eastern Europe to Japan.

Var. floribus albis.

Var. floribus roseis.

Var. latifolia, *Zabel.*

S. carpinifolia, *Willd.*

S. latifolia, *Borkh.*

Var. paniculata, *Maxim.* North America.

S. alba, *Du Roi*; Gard. Chron. 1879, xi. 753, f. 109.

S. lanceolata, *Borkh.*

Var. minor.

S. Schinabecki, *Zabel* (chamaedrifolia × trilobata). Garden origin.

S. semperflorens, *Hort.* (japonica × salicifolia).

S. sorbifolia, *L.*; Bailey Cyclopedia of Amer. Horticulture iv. 1686, f. Himalaya to Japan, &c.

S. floribunda, *Hort.*

S. Foxii, *Hort.*

S. Pallasi, *Hort.*

S. pinnata, *Michx.*

Sorbaria sorbifolia, *A. Br.*

S. Thunbergi, *Sieb & Zucc.* Fl. Jap. t. 69. China and Japan.

S. Thompsoni, *Hort.*

S. tomentosa, *L.*; Britt. & Br. Illustr. Fl. ii. 196, f. United States. "Hardhack, Steeple-Bush."

. trilobata, *L.*; Garden and Forest 1888, 452, f. 71. North Asia.

S. crenata *var.* sublobata, *Regel.*

S. hypericifolia trilobata, *Hort.*

S. rupestris, *Hort.* (not *Sieb.*).

S. thalictroides, *Hort.* (not *L.*).

.. tristis, *Zabel.* Origin unknown.

S. Hookeri, *Hort.*

. vaccinifolia, *D. Don.* Himalaya.

S. laxiflora, *Lindl.*

S. venustulus, *Kit. & Bouché.*

. Van Houttei, *Briot.* (cantoniensis × trilobata). Garden and Forest 1889, 317, f. Garden origin.

Veillia amurensis, *Benth & Hook.* Amurland, &c.

Physocarpus amurensis, *Maxim.*

Spiraea amurensis, *Maxim.*

T. capitata, *Greene.* California.

Physocarpus capitatus, *O. Kuntze.*

Spiraea capitata, *Pursh.*

S. opulifolia *var.* mollis, *Hook.*

N. malvacea, *Greene.* Rocky Mountains, &c.

N. Torreyi, *Hook f.* Bot. Mag. t. 7758.

N. opulifolia, *Benth. & Hook.* North America. "Nine-Bark."

Physocarpus opulifolius, *Maxim.*

Spiraea opulifolia, *L.*; Loud. Arb. et Frut. ii. 723, f. 427–8.

Var. inebrians.

Physocarpus opulifolius *var.* inebrians, *Zabel.*

Spiraea inebrians, *Hort.*

Var. lutea.

N. sinensis, *Hemsl.*; Hook. Icon. Plant. t. 1540. Central China.

N. thyrsiflora, *D. Don*; Rev. Hort. 1888, 416, f. 95–96. Himalaya.

N. Torreyi, *S. Watson*; Garden and Forest 1889, 4, f. 84. California.

Physocarpus monogynus, *Coulter.*

P. Torreyi, *Maxim.*

P. pauciflorus, *Zabel.*

Spiraea monogyna, *Torr.*

S. opulifolia *var.* pauciflora, *Torr & Gray.*

Stephanandra flexuosa, *Sieb & Zucc.* China and Japan.

Spiraea incisa, *Thunb.*

Stephanandra incisa, *Zabel.*

S. Tanakae, *Franch. & Sav.*; Bot. Mag. t. 7593. Japan.

Neillia Tanakae, *Franch. & Sav.*

Exochorda grandiflora, *Lindl.*; Garden February 24, 1877, col. plate. China.

Amelanchier racemosa, *Lindl.*

Spiraea grandiflora, *Hook.* Bot. Mag. t. 4765.

E. Alberti, *Regel.* Descr. Pl. Nov. fasc. ix. t. 13. Turkestan.

E. Korolkowi, *Lavall.*

Albertia simplicifolia, *Regel.*

Kerria japonica, *DC.*; Bot. Reg. t. 1873. China.

Corchorus japonicus, *Thunb.*

Var. flore pleno, Bot. Mag. t. 1296.

Var. foliis argenteis variegatis.

Var. foliis aureis variegatis.

Rhodotypos kerrioides, *Sieb & Zucc.*; Bot. Mag. t. 5805. China and Japan.

Neviusia alabamensis, *A. Gray*; Bot. Mag. t. 6806. Alabama.

Quillaja Saponaria, *Molini*; Rev. Hort. 1873, 253, f. 27. Chili.

*Eucryphia Billardieri, *Spach var.* Milligani, *Hook. f.* Bot. Mag. t. 7200. Tasmania.

*E. cordifolia, *Cav.*; Gard. Chron. 1897, xxii. 247, f. Chili.

E. pinnatifolia, *Gay*; Bot. Mag. t. 7067. Chili.

Rubus affinis, *Weihe & Nees* Die Deutschen Brombeerstr. t. 3. Europe.

R. Arrhenii, *Lange.* Europe.

*R. australis, *Forst.*; Hook. f. Flora of New Zealand, i. t. 14. New Zealand. "Tataramoa."

R. balfourianus, *Blox.* Europe.

R. Bellardi, *Weihe var.* dentatus. Europe.

R. biflorus, *Buchan.* Temperate Himalaya.

R. Bloxami, *Lees.* Europe.

R. boraeanus, *Genev.* Europe.

R. Borreri, *Salter var.* dentatifolius, *Briggs.* Europe.

R. caesius, *L.*; Eng. Bot. ed. 3, t. 456. Europe. "Dewberry.

R. calvatus, *Blox.* Europe.

R. canadensis, *L.*; Britt. & Br. Illustr. Fl. ii. 205, f. North America. "Low Blackberry."

R. chroösepalus, *Focke*; Hook. Icon. Plant. t. 1952. Central China.

R. cinerosus, *Rogers*. Britain.
R. pulcherrimus *var.* setosus, *A. Ley*.

R. Colemani, *Blox*. Europe.

R. cordifolius, *Bab.* (not *Waldst. & Kit.*). Europe.

R. coreanus, *Miq*. China and Corea.

R. corylifolius, *Sm.*; Eng. Bot. ed. 3, t. 455. Europe.

R. crataegifolius, *Bunge*. North-east Asia and Japan.

R. cuneifolius, *E. Merc.* (not *Pursh*). Europe.

R. deliciosus, *James*; Bot. Mag. t. 6062. Rocky Mountains.

R. dumetorum, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 45*a*. Europe.

R. dumnoniensis, *Bab.* Britain (Devonshire).

R. echinatus, *Lindl.* Europe.
R. rudis, *Bab.* (not *Weihe & Nees*).

R. erythrinus, *Genev.* Europe.

R. exsecatus, *Muell.* Europe.

R. foliosus, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 28. Europe.
R. derasus, *Lej. & Muell.*
R. flexuosus, *P. J. Muell.*
R. Guentheri, *Bab.*
R. saltuum, *Focke*.

R. fuscus, *Weihe & Nees*. Europe.

R. glandulosus, *Bell.*; Eng. Bot. ed. 3, t. 454. Europe.
R. griffithianus, *Rogers*. Britain.

R. Henryi, *Hemsl.*; Hook. Icon. Plant. t. 1705. Central China.

R. hispidus, *L.*; Britt. & Br. Illustr. Fl. ii. 203, f. North America.
R. obovalis, *Michx.*

R. horridus, *Schultz.* Europe.

R. dumetorum *var.* ferox, *Weihe & Nees.*

R. hystrix, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 41. Europe.

R. ichangensis, *Hemsl. & Kuntze.* Central China.

R. Idaeus, *L.*; Eng. Bot. ed. 3, t. 442. Europe, West Asia. "Wild Raspberry."

Var. Leesii, *Bab.*; Eng. Bot. ed. 3, t. 443. South-west Britain.

R. imbricatus, *F. Hort.* Britain.

R. innominatus, *S. Moore.* China.

R. insularis, *F. Aresch.* Scandinavia.

R. irenaeus, *Focke.* Central China.

R. Koehleri, *Weihe & Nees*; Eng. Bot. ed. 3, t. 453. Europe.

R. kuntzeanus, *Hemsl.* Central China.

R. laciniatus, *Willd.*; Journal of Horticulture, December 20, 1883, 533, f. 105. Garden origin.

R. laciniatus elegans, *Hort.*

R. laciniatus minor, *Hort.*

R. Quintlandii, *Hort.*

R. lasiostylus, *Focke*; Hook. Ic. Pl. t. 1951. China.

R. lentiginosus, *Lees.* Europe.

R. cambricus, *Focke.*

R. leucodermis, *Dougl.* North-west America.

R. leucostachys, *Sm.*; Eng. Bot. ed. 3, t. 448. Europe.

Var. gymnostachys, *Genev.*

R. macrothyrsos, *J. Lange.*

R. macrothyrsus, *N. E. Brown.*

R. lindleyanus, *Lees.* Britain.

R. longithyrsiger, *Lees.* Britain.
R. pyramidalis, *Bab.*

R. macrophyllus, *Weihe & Nees* ; Eng. Bot. ed. 3, t. 450.

R. macrostemon, *Focke.* Germany.

R. melanolasius, *Focke*; Neub. Gart. Magaz. 1899, 14. North America.

R. mercicus, *Bagnall* var. chrysoxylon, *Rogers.* Wales.

R. micans, *Gren. & Godr.* Europe.
R. adscitus, *Genev.*

R. morifolius, *Sieb.* Japan.

R. mucronatus, *Blox.* Britain.
R. mucronulatus, *Syme* Eng. Bot. ed. 3, t. 451.

R. mutabilis, *Genev.* Europe.

R. neglectus, *Peck*; Britton & Brown Illustr. Flora, ii. 201, f. United States.

R. nobilis, *Regel.* (odoratus × Idaeus). Garden origin.
R. nepalensis, *Hort.*

R. nutans, *Wall.* ; Bot. Mag. t. 5023. Himalaya.

R. nutkanus, *Moç.* ; Bot. Mag. t. 3543. North America. "Salmon-berry."

R. occidentalis, *L.* ; Loud. Arb. et Frut. ii. 736, f. 451. North-west America. "Thimble-berry."

Var. albus.

R. odoratus, *L.* ; Bot. Mag. t. 323. North America. "Purple-flowering Raspberry."

R. opacus, *Focke.* Europe.

R. pallidus, *Weihe & Nees.* Europe.

R. palmatus, *Thunb.*; Bot. Mag. t. 7801. Japan, China.
R. coptophyllus, *A. Gray.*
R. incisus, *Hort.* (not *Thunb.*).

R. Parkeri, *Hance.* East and Central China.

R. parvifolius, *L.* China and Japan.
R. chinensis, *Thunb.*
R. purpureus, *Bunge.*
R. triphyllus, *Thunb.*

R. phoenicolasius, *Maxim.*; Bot. Mag. t. 6479. China and Japan.

R. pileatus, *Focke.* Central China.

R. Playfairii, *Hemsl.* Central China.

R. pubescens, *Auct. Angl.* Britain.

R. pulcherrimus, *Neuman.* Europe.

R. Purchasi, *Blox.* Britain.

R. Radula, *Weihe*; Eng Bot. ed. 3, t. 452. Europe.
R. melanoxylon, *Bloxam.*

Var. anglicanus, *Rogers.*

R. ramosus, *Blox.* Britain.

R. rhamnifolius, *Weihe & Nees*: Eng. Bot. ed. 3, t. 446. Europe.

Var. flore pleno.

R. rhenanus, *Muell.* Europe.

R. scaber, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 32 Europe.

R. silvaticus, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 15. Europe.

*R. sorbifolius, *Maxim.* China, &c.

R. spectabilis, *Pursh*; Bot. Reg. t. 1124. California, &c.

R. spectabilis × Idaeus. Garden hybrid.

R. Sprengelii, *Weihe & Nees* Die Deutschen Brombeerstr. t. 10. Europe.

R. strigosus, *Michx.*; Britt. & Br. Illustr. Fl. ii. 200, f. North America. "Wild Red Raspberry."

R. suberectus, *Anders.*; Eng. Bot. ed. 3, t. 444. Europe.

R. thyrsiflorus, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 34. Europe.

R. thyrsiger, *Bab.* Britain.

R. thyrsoideus, *Wimm.* Europe.

Var. flore pleno.

R. rosaeflorus coronarius, *Hort.*
R. fruticosus albus, *Hort.*

R. tomentosus, *Borck.* Europe.

R. triflorus, *Richards.*; Hook. Fl. Bor. Amer. t. 62. North America.

R. americanus, *Britton*; Britt. & Br. Illustr. Fl. ii. 201, f.

R. trivialis, *Michx.*; Britton & Brown Illustr. Flora ii. 204, f. United States. "Low Bush Blackberry."

R. ulmifolius, *Schott.* Europe.

R. dalmaticus, *Guss.*
R. discolor, *Bab.* (not *Weihe & Nees*).
R. rusticanus, *Merc.*; Eng. Bot. ed. 3, t. 447.

Var. flore pleno.

R. bellidiflorus, *C. Koch.*

Var. foliis variegatis.

Var. inermis.

R. inermis, *Hort.*

Var. leucocarpus.

R. fruticosus, *L. var.* leucocarpus, *Ser.*

R. ursinus, *Cham. & Schlecht.* North America.

R. villicaulis, *Weihe & Nees* Die Deutsch. Brombeerstr. t. 17. Europe.

Var. elegans.

Var. Selmeri, *Rogers.* Europe.

R. affinis, *Blox.*

R. Selmeri, *Lindeb.*

R. villosus, *Ait.*; Britt. & Br. Illustr. Fl. ii. 202, f. North America. "High Blackberry."

Var. flore pleno.

R. xanthocarpus, *Bur. & Franch.* North China.

Purshia tridentata, *DC.*; Bot. Reg. t. 1446. North-west America.

*Chamaebatia foliolosa, *Benth.*; Bot. Mag. t. 5171. California.

Cercocarpus ledifolius, *Nutt.*; Hook. Ic. Plant. t. 324 Western North America. "Mountain Mahogany."

Var. angustifolius.

*C. parvifolius, *Nutt.* California.

Cowania mexicana × Purshia tridentata.

Dryas octopetala, *L.*; Eng. Bot. ed. 3, t. 460. Arctic and alpine regions of North Temperate Zone. "Mountain Avens."

Var. Drummondi, *S. Watson.* North America.

D. Drummondi, *Hook.*; Bot. Mag. t. 2972.

*Fallugia paradoxa, *Endl.*; Bot. Mag. t. 6660. California, &c.

F. mexicana, *Walp.*

Sieversia paradoxa, *D. Don.*

Potentilla davurica, *Nestl.* China, &c.

P. glabra, *Lodd.* Bot. Cab. t. 914.

P. fruticosa *var.* davurica, *Lehm.*

P. Friedrichseni, *Späth.* (davurica × fruticosa). Garden origin.

P. fruticosa, *L.*; Eng. Bot. ed. 3, t. 436. Northern Hemisphere.

P. floribunda, *Pursh.*

P. micrandra, *Koehne.* Origin uncertain.

P. salesoviana, *Steph.*; Bot. Mag. t. 7258. Siberia, &c.

Comarum Salessowii, *Bunge.*

*Margyricarpus setosus, *Ruiz & Pav.* Chili, &c.

Rosa acicularis, *Lindl.* Monogr. t. 8. Siberia, &c.

R. carelica, *Fries.*

Var. nipponensis, *Hook. f.* Bot. Mag. t. 7646. Japan.

R. nipponensis, *Crép.*

R. agrestis, *Savi.* Europe, &c.

R. sepium, *Thuill.*; Eng. Bot. ed. 3, t. 470.

Var. belgradensis, *Nichols.*

R. belgradensis, *Panç.*

Var. inodora.

R. inodora, *Fries*; Flora Danica t. 2906

R. alba, *L.* (? canina × gallica). Andrews Roses t. 10. Europe, &c.

Var. **suaveolens**, *Dieck*; Gartenflora 1889, 128.

R. Alberti, *Regel*. Turkestan.

R. alpina, *L.*; Bot. Reg. t. 424. Europe.
R. inermis, *Mill.*
R. pendulina, *L.*

Var. **pyrenaica**, *Gouan*; Bot. Mag. t. 6724.

R. alpina × indica. "Boursault Rose."

R. anemonaeflora, *Fortune*. (multiflora × laevigata ?). China.

R. arvensis, *Huds.*; Engl. Bot. ed. 3, t. 426. Europe. "Ayrshire Rose."
R. repens, *Scop.*

Var. **Andersonii**, *Hort.*

Var. **capreolata**; Bot. Mag. t. 2054.
R. capreolata, *Neill.*

Var. **flore pleno**.

Var. **variegata**.

***R. Banksiae**, *R. Br.* China. "Banksian Rose."
R. inermis, *Roxb.*

Var. **flore albo pleno**; Bot. Mag. t. 1954.

Var. **lutea**; Bot. Mag. t. 7171.

R. beggeriana, *Schrenk*; Linn. Soc. Journ. xix. t. 7. Asia.
R. afghanica, *Hort.*
R. anserinaefolia, *Boiss.*

Var. **nigrescens**.

Var. **Schrenki**.

R. blanda, *Ait.* North America.

R. fraxinifolia, *Borck.*; Bot. Reg. t. 458.

R. lucida, *Hort.* (not *Ehrh.*).

Var. **arkansana.** Western United States.

R. arkansana, *Porter.*

Var. **Sayi.**

R. Sayi, *Schwein.*

Var. **setigera.**

Var. **willmottiana**, *Baker.*

R. bourbonia, *Roessig.* (indica × gallica). Garden origin "Bourbon Rose."

R. canina burboniana, *Réd.* Les Roses iii. t. 105.

***R. bracteata**, *Wendl.*; Bot. Mag. t. 1377. China. "Macartney Rose."

R. lucida, *Lawr.* Roses t. 84.

R. macartnea, *Hort.*

R. bracteata × laevigata. Garden origin.

R. alba odorata, *Hort.*

R. bracteata flore pleno, *Hort.*

R. byzantina, *Dieck.* Eastern Europe, &c.

R. californica, *Cham. & Schlecht.* Western North America.

Var. **flore pleno.**

Var. **nana.**

Var. **ultramontana.**

R. calocarpa, *André.* (rugosa × indica).

R. rugosa calocarpa; Rev. Hortic. 1891, 129, f. 35

R. canina, *L.* North Temperate Zone. "Dog-rose"

Var. Allionii, *Rouy & Fouc.* Alpes Maritimes.
R. Allionii, *Burnat & Gremli.*

Var. andegavensis, *Baker.*
R. andegavensis, *Bastard.*

Var. arvatica, *Baker.*

Var. Bakeri, *Baker.*
R. Bakeri, *Déségl.*; Engl. Bot. ed. 3, t. 473.

Var. complicata.
R. complicata, *Gren.*
R. glauca *var.* complicata, *H. Braun.*
R. Reuteri *var.* complicata, *Christ.*

Var. coriifolia, *Baker*; Engl. Bot. ed. 3, t. 472.
R. coriifolia, *Fries.*

Var. dumetorum, *Baker.*
R. dumetorum, *Thuill.*

Var. glauca, *Desv.*
R. canina *var.* Reuteri, *Baker.*
R. glauca, *Vill.*

Var. lutetiana, *Baker.*
R. lutetiana, *Leman.*

Var. obtusifolia.
R. obtusifolia, *Desv.*

Var. pruinosa, *Baker.*

Var. Scheutzii. Scandinavia.
R. mollis *var.* Scheutzii, *R. Keller.*

Var. subcristata, *Baker.*

Var. tomentella, *Baker.*
R. tomentella, *Leman.*

Var. urbica, *Baker.*
R. dumetorum *var.* urbica, *Christ.*
R. urbica, *Leman.*

R. carolina, *L.*; Lindl. Monogr. t. 4. North America.

R. corymbosa, *Ehrh.*

R. hudsoniana, *Red.*

R. pennsylvanica, *Michx.*

Var. **nuttalliana.**

R. nuttalliana, *Hort.*

R. cinnamomea, *L.*; Lindl. Monogr. t. 5. North Temperate Zone.

R. davurica, *Pall.*

R. gorenkensis, *Fisch.*

R. majalis, *Herrm.*

Var. **flore pleno.**

Var. **glandulifolia**, *Crépin.*

Var. **sibirica.**

R. damascena, *Miller*; Red. Roses i. t. 137 (gallica × moschata ?). East Europe, Orient. "Damask Rose."

Var. **trigintipetala.**

R. gallica *var.* trigintipetala, *Dieck*; Gard. Chron. 1890, vii. 45, f. 8.

Var. **variegata.** "York and Lancaster Rose."

R. Duponti, *Déségl.* (gallica × moschata.).

R. moschata *var.* nivea.; Bot. Reg. t. 861.

R. nivea, *Dupont* (not *DC*).

R. elymaitica, *Boiss.* Persia.

R. Engelmannii, *S. Wats.*; Garden and Forest 1889, 376, t. 121. Western North America.

R. fedtschenkoana, *Regel*; Bot. Mag. t. 7770. Turkestan.

R. Fendlerii, *Crép.* New Mexico.

R. ferox, *Bieb.* Cent. Pl. Rar. t. 37 (not *Ait.*). Caucasus, &c.
R. horrida, *Fisch.*

R. foliolosa, *Nutt.*; Garden and Forest 1890, 101, f. 22. North America.

***R. fortuneana,** *Lindl.*; Lindl. & Paxt. Fl. Gard. t. 171. China. (Banksiae × laevigata.)

R. fulgida, *Hort.* (Gloire des Rosomanes).

R. gallica, *L.*; Bentl & Trim. Med. Plants t. 104. South and Central Europe.

Var. **centifolia,** *Koéhne.*
R. centifolia, *L.*; Bentl. & Trim. Med. Pl. t. 105.

Var. **cuprea.**

Var. **incarnata.**
R. incarnata, *Hook. f.* Bot. Mag. t. 7035 (not *Mill.*).

Var. **maxima.**

Var. **muscosa.** "Moss Rose."
R. muscosa, *Mill.*
R. provincialis muscosa; Bot. Reg. t. 53.

Var. **nana.**

Var. **pomponia.**
R. nana muscosa; Andrews Roses t. 65.
R. pomponia, *DC.*

Var. **provincialis.** "Provence Rose."
R. provincialis, *Mill.*; Andrews Roses t. 22.

Var. **pumila,** *Braun.*
R. pumila, *Jacq.* Fl. Austr. ii. t. 198.

Var. **versicolor,** *Sims* Bot. Mag. t. 1794.
R. Rosa-mundi, *Hort.*

Var. **violacea.**

R. **geminata**, *Rau* (gallica × arvensis) Red. Les Roses ii. t. 83. Europe.

R. hybrida, *Schleich.*

*R. **gigantea**, *Crép.*; Gard. Chron. 1889, vi. 13, f. 4. Burma,

R. **glutinosa**, *Sibth. & Sm.* Fl. Graec. t. 482. Orient.

R. dalmatica, *Kerner.*

R. **gymnocarpa**, *Nutt.*; Bot. Mex. Bound. t. 24. Western North America.

Var. **pisocarpa.**

R. pisocarpa, *A. Gray*; Bot. Mag. t. 6857.

R. pisiformis, *Hort.*

R. **Hardii**, *Cels frères*; Gard. Chron. 1885, xxiv. 468, f. 101. (simplicifolia × involucrata.)

R. **hemisphaerica**, *Herrm.* Persia and Asia Minor.

R. glaucophylla, *Ehrh.*

R. Rapinii, *Boiss.*

R. sulphurea. *Ait.*; Andrews Roses t. 91; Bot. Reg. t. 46.

R. **heterophylla**, *Cochet* (rugosa alba × lutea); Journ. Soc. Nat. d'hort. France 1897, 778, f.

R. **hibernica**, *Sm.*; Eng. Bot. ed. 3, t. 463. (spinosissima × canina ?) England and Ireland.

Var. **glabra**, *Baker.*

Var. **Grovesii**, *Baker.*

R. **humilis**, *Marsh.*; Britt. &. Br. Illustr. Fl. ii. 231, f. North America.

R. parviflora, *Ehrh.*

R. microcarpa, *Hort.*

Var. **triloba**; Garden and Forest 1889, 77, f. 93.

R. indica, *L.* (in part). China. "Monthly Rose."
R. chinensis, *Jacq. f.*
R. chinensis *var.* indica, *Koehne.*

Var. **fragrans**, *Red.* Les Roses i. 61.
R. indica odoratissima, *Lindl.* Bot. Reg. t. 804.

Var. **minima**. "Fairy Rose."
R. lawranceana, *Sweet*; Bot. Reg. t. 538.
R. semperflorens *var.* minima, *Sims* Bot. Mag. t. 1762.

Var. **monstrosa**.
R. sempervirens monstrosa, *Hort.*

Var. **sanguinea**. "Crimson China Rose."

Var. **semperflorens**.
R. bengalensis, *Pers.*
R. semperflorens, *Curt.*; Bot. Mag. t. 284.

***R. involucrata**, *Roxb.*; Bot. Reg. t. 739. India.
R. clinophylla, *Thory.*
R. Lyellii, *Lindl.* Monogr. t. 1.
R. palustris, *Hamilt.*

R. involuta, *Sm.*; Eng. Bot. ed. 1, t. 2068. Europe.
R. spinosissima × tomentosa ?

Var. **Sabini**, *Baker.*
R. Sabini, *Woods*; Eng. Bot. ed. 3, t. 465.

Var. **Wilsoni**, *Baker.* (spinosissima × mollis ?).
R. Wilsoni, *Borrer*; Eng. Bot. ed. 3, t. 464.

R. Iwara, *Sieb.* (rugosa × multiflora). Japan.

R. Jundzillii, *Besser.* Europe.
R. trachyphylla, *Rau.*

***R. laevigata**, *Michx.* China. "Cherokee Rose."

R. Camellia, *Hort.*

R. camelliaefolia, *Hort.*

R. cherokeensis, *Donn.*

R. hystrix, *Lindl.*

R. nivea, *DC.*

R. sinica, *Murr.*; Bot. Mag. t. 2847; Bot. Reg. t. 1922.

R. ternata, *Poir.*

R. triphylla, *Roxb.*

Var. **Anemone**. Rev. Hortic. 1901, 548.

laevigata × indica ?

R. laxa, *Retz.* Siberia.

***R. leschenaultiana**, *Thory & Red.* India.

R. lutea, *Miller*; Bot. Mag. t. 363. Orient. "Austrian Briar."

R. chlorophylla, *Ehrh.*

R. Eglanteria, *L.* (in part.).

R. foetida, *Allioni.*

Var. **bicolor**, Bot. Mag. t. 1077.

R. punicea, *Miller.*

R. macrantha, *Hort.* (gallica × canina) Rev. Hortic. 1901, 548, t. Europe.

R. macrophylla, *Lindl.* Monogr. t. 6. Himalaya, China.

R. Malyi, *Kerner.* Tyrol. (alpina × spinosissima ?)

R. micrantha, *Sm.*; Eng. Bot. ed. 3, t. 169. Europe.

Var. **Briggsi**, *Baker.* South of England.

R. microphylla, *Roxb.*; Bot. Mag. t. 6548. China.

R. chlorocarpa, *Regel.*

Var. flore pleno.

R. mollis, *Sm.* Europe.

R. ciliato-petala, *Besser*.

R. mollissima, *Fries.*; Eng. Bot. ed. 3, t. 466.

R. villosa, *L.* (in part).

Var. **albo-vittata.**

R. moschata, *Herrm.*: South Europe to India. "Musk Rose."

R. Brownii, *Spreng.*

R. Brunonii, *Lindl.*; Bot. Mag. t. 4030.

R. Brunonis, *Wall.*

Var. **flore pleno.**

Var. **Pissarti.** Persia.

R. Pissarti, *Carr.* Rev. Hortic. 1880, 314, 5.

R. Pissardi, *Carr.*

R. Nasturana, *Christ.*

R. multiflora, *Thunb.*; Bot. Mag. t. 7119. China and Japan.

R. dubia, Carr. Rev. Hortic. 1868, 269.

R. intermedia, Carr. Rev. Hortic. 1868, 270, ff. 29, 30.

R. polyantha, *Sieb. & Zucc.*

R. simplex, *Hort.*

Var. **flore pleno.**

Var. **Thunbergii**, *Hort.*

R. multiflora × indica. Garden origin.

R. polyantha, *Hort.* (not *Sieb. & Zucc.*).

R. multiflora × moschata. Garden origin.

R. polyantha grandiflora, *Hort.*

R. nitida, *Willd.*; Lindl. Monogr. t. 2. North America.

R. noisettiana, *Red.* (indica × moschata). Redouté Roses ii. 77. Garden origin. "Noisette Rose."

R. floribunda, *Andrews.*

R. **nutkana**, *Presl.*; Garden and Forest 1888, 449. North America. "Wasatch Rose."

R. **parviflora**, *Ehrh.*; Bot. Reg. t. 452. Garden origin. "Rose de Meaux."

R. burgundica, *Rössig*; Redouté Roses t. 133.

R. remensis, *Desf.*

R. **pendulina**, *L.* (spinosissima × alpina). Europe.

R. gentilis, *Sternb.*

R. reversa, *Waldst. & Kit.*

R. rubella, *Sm.* Eng. Bot, ed. 3, t. 462.

R. stricta, *Muhl.*

R. **phoenicea**, *Boiss.* Orient.

R. **pomifera**, *Herrm.*; Bot. Mag. t. 7241. Gard Chron. 1886, xxv. 237, f. 45. Europe. "Apple Rose."

R. macrocarpa, *Hort.*

R. villosa *var.* pomifera, *Desv.*

R. **rubiginosa**, *L.*; Eng. Bot. ed. 3, t. 468. Europe. "Eglantine or Sweet Briar."

R. Eglanteria, *Miller* (not *L.*).

R. suaveolens, *Pursh.*

Var. **major**.

. **rubrifolia**, *Vill.*; Bot. Reg. t. 430. Mountains of Europe.

R. ferruginea, *Hort.*

R. pyrenaica, *Hort.* (not *Gouan.*).

R. romana, *Hort.*

R. rubicunda, *Hall. f.*

ruga, *Lindl.* Bot. Reg. t. 1389. (arvensis × indica). Garden origin.

R. rugosa, *Thunb.* Japan.

R. Andreae, *Lange.*

R. ferox, *Lawr.*; Bot. Reg. t. 420.

R. regeliana, *Linden & André.*

Var. alba, Garden May 13, 1876.

Var. flore pleno.

Var. floribunda.

Var. glabriuscula.

Var. kamchatica.

R. kamchatica, *Vent.*; Bot. Reg. t. 419.

R. rugosa × General Jacqueminot. (Mrs. Anthony Waterer).

R. sancta, *A. Rich.* Abyssinia.

*R. sempervirens, *L.*; Bot. Reg. t. 465. South Europe, &c.

R. longicuspis, *Bert.*

R. prostrata, *DC.*

R. scandens, *Mill.*

R. Seraphini, *Viviani*; Bot. Mag. t. 7761. Corsica, Sardinia, &c.

R. apennina, *Woods.*

R. cretica *var.* Seraphini, *Wallr.*

R. parvifolia, *Sanguin.*

R. sericea, *Lindl.* Monogr. t. 12. India.

R. tetrapetala, *Royle.*

R. setigera, *Michx.* North America. "Prairie Rose."

R. rubifolia, *R. Br.*; Lindl. Monogr. t. 15.

*R. simplicifolia, *Salisb.*; Gard. Chron. 1885. xxiv. f. 100. Orient.

R. berberifolia, *Pall.*; Bot. Mag. t. 7096.

R. persica, *Otto Kunze.*

Hultheimia berberifolia, *Dum.*

Lowea berberifolia, *Lindl.*

R. spinosissima, *L.*; Eng. Bot. ed. 3, t. 461. Europe and Siberia. "Scotch or Burnet Rose."

R. pimpinellifolia, *L.*

R. scotica, *Mill.*

Var. altaica.

R. altaica, *Willd.*

R. grandiflora, *Lindl.* Bot. Reg. t. 888.

R. cistiflora, *Hort.*

Var. flore luteo pleno.

Var. fulgens, *Hort.*

Var. Harrisoni.

R. lutea Harrisoni, *Hort.*

Var. hispida.

R. hispida, *Sims.* Bot. Mag. t. 1570.

R. lutescens, *Pursh*; Lindl. Monogr. t. 9.

R. spinosissima luteola, Andrews Roses ii. t. 128.

Var. lutea.

R. ochroleuca, *Hort.* (not *Waitz.*).

Var. myriacantha.

R. myriacantha, *DC.*; Lindl. Monogr. t. 10.

Var. penicillata, *Hort.*

Var. picta, *Hort.*

Var. rubra. Andrews Roses t. 124.

Var. venulosa, *Hort.*

R. spinulifolia, *Dematra*; Red. Les Roses t. 7. Switzerland.
R. alpina × tomentosa.

R. stylosa, Desv. *var.* **evanida,** *Christ.* South England.
C. canina × arvensis ?

R. tomentosa, *Sm.*; Eng. Bot. ed. 3, t. 467. Europe.

Var. **dimorpha.**
R. dimorpha, *Besser.*

Var. **scabriuscula,** *Baker.*

Var. **sylvestris,** *Lindl.*

Var. **woodsiana,** *Groves.*

R. virginiana, *Mill.* Eastern United States.
R. lucida, *Ehrh.*; Red. Les Roses i. 45, t.

Var. **alba.**

Var. **flore pleno.**
R. Rapa, *Bosc*; Red. Les Roses ii. 7.

R. watsoniana, *Crép.*; Garden and Forest 1890, 477, t. 59. Japan.

R. webbiana, *Wall.*; Royle Illustr. t. 42. Himalaya.

R. wichuraiana, *Crép.*; Garden and Forest 1891, 569, f. China and Japan.
R. Luciae, *Hook. f.* Bot. Mag. t. 7421.

R. wichuraiana rubra, *Hort.* (wichuraiana × Crimson Rambler) Rev. Hortic. 1901, 20, t.

R. xanthina, *Lindl.*; Bot. Mag. t. 7666. Persia, Afghanistan, &c.
R. Ecae, *Aitch. & Hemsl.* Journ. Linn. Soc. xix. t. 8.
R. platyacantha, *Schrenk.*

† PYROPHORUM.

Pyrus amygdaliformis, *Vill.* South Europe, &c.

P. cuneifolia, *Guss.*

P. eriopleura, *Reichb.*

P. nivalis, *Lindl.* Bot. Reg. t. 1484 (not *Jacquin*).

P. oblongifolia, *Spach.*

P. parviflora, *Desf.*

P. pyraina, *Rafin.*

P. salicifolia, *Hort.*

Var. **oblongifolia.**
P. oblongifolia, *Spach.*

P. auricularis, *Knoop.* (Aria × communis). Europe.

P. bollwylleriana, *DC.*

P. irregularis, *Moench.*

P. Pollveria, *L.*; Lodd. Cab. t. 1009.

P. pollvilleriana, *Poorph.*

P. pollwylleriana, *Decne.*

P. tomentosa. *Moench.*

Lazarolus Pollverii, *Medic.*

P. Balansae, *Decne.* Jard. Fruit. du Muséum t. 6. Persia.

P. betulaefolia, *Bunge*; Jard. Fruit. du Muséum t. xx. China and Japan.

P. canescens, *Spach*; Jard. Fruit. du Muséum t. xix. Origin uncertain.

P. communis, *L.*; Eng. Bot. ed. 3, t. 488. Europe, Asia. "Wild Pear."

P. scandinavica, *Hort.*

Var. **cotinifolia.**

Var. **fascicularis.**

Var. **jaspidea.**

Var. **pendula.**

P. cordata, *Desv.*; Jard. Fruit. du Muséum t. iii. Europe, &c.

P. boissieriana, *Buhse.*

P. communis *var.* azarolifera, *Durieu.*

P. communis *var.* Briggsii, *Boswell.*

P. elaeagrifolia, *Pall.*; Decne. Jard. Fruit. du Muséum t. 17. Caucasus, Asia Minor.

P. communis *var.* elaeagrifolia, *Hort.*

P. pubescens, *Hort.*

P. glabra, *Boiss.* Persia.

P. syriaca *var.* glabra, *Wenzig.*

P. heterophylla, *Regel & Schmal.*; Gard. Chron. 1890, vii. 115. Asia.

Var. **Koopmannii.**

P. longipes, *Coss. & Durieu*; Jard. Fruit. du Muséum t. iv. Algeria.

P. malifolia, *Spach*; Jard. Fruit. du Muséum t. xxxii. Hybrid origin.

P. Michauxi, *Bosc*; Jard. Fruit. du Muséum t. 16. Asia?

P. persica, *Hort.* (not *Pers.*).

P. praecox, *Hort.*

P. nivalis, *Jacq.*; Jard. Fruit. du Muséum t. xxi. Levant. &c.

P. salvifolia, *DC.*; Bot. Reg. t. 1482.

Var. **variegata.**

P. Pashia, *Buch.-Ham.*; Jard. Fruit. du Muséum t. vii. India.

P. nepalensis, *Hort.*

P. variolosa, *Wall.*

P. **salicifolia**, *L.* : Jard. Fruit. du Muséum t. xii. Levant.

P. orientalis, *Hort.*

Var. **pendula**.

P. **sinaica**, *Thouin* ; Jard. Fruit. du Muséum t. xv. Asia Minor.

P. **sinensis**, *Lindl.* Bot. Reg. t. 1248 ; Gard. Chron. 1900, xxviii. 298, f. China. "Sand Pear."

P. chinensis, *Roxb.*

P. communis *var.* sinensis, *C. Koch.*

P. japonica, *Hort.*

P. Sieboldii, *Carr.*

P. ussuriensis, *Maxim.*

Var. **Simonii**, *Dieck.*

P. Simonii, *Carr.*

P. **Tschonoskii**, *Maxim.* ; Garden and Forest 1894, 54, f. 9. Japan.

†† Malus.

P. **angustifolia**, *Ait.* : Sargent Silva of North America t. 169. United States.

P. coronaria *var.* angustifolia, *Wenzig.*

Malus sempervirens, *Desf.*

M. microcarpa sempervirens, *Carr.*

P. **baccata**, *L.* ; Bot. Mag. t. 6112. Himalaya, &c. to Japan. "Siberian Crab."

P. sibirica, *Hort.* (in part).

P. tartarica, *Hort.*

Malus baccata, *Desf.*

M. cerasifera, *Spach.*

M. rossica, *Medic.*

Var. **pendula**.

P. coronaria, *L.*; Bot. Mag. t. 2009. Eastern United States. "American Crab Apple."

Crataegus coronaria, *Salisb.*

Malus coronaria, *Mill.*

M. microcarpa *var.* coronaria, *Carr.* Rev. Hort. 1884, f. 24.

Var. **flore pleno.**

P. angustifolia flore pleno, *Hort.*

P. denticulata, *Lavall.* ? China.

P. floribunda, *Nichols.* Japan.

P. Toringo × baccata, *Dieck.*

Malus floribunda, *Sieb.*; Garden, October 14, 1876.

M. microcarpa *var.* floribunda, *Carr.*

Var. **atrosanguinea.**

Var. **citrifolia polypetala**, *Hort.*

P. halliana, *Voss.* Origin uncertain.

P. floribunda flore pleno, *Hort.*

P. Parkmanii, *Hort.*

Malus halleana, *Koehne.*

P. ioensis, *L. H. Bailey.* United States.

P. coronaria *var.* ioensis, *Wood*; Sargent Silva of North America t. 168. "Prairie States Crab."

P. Malus, *L.*; Eng. Bot. ed. 3, tt. 489, 490. Europe, &c. "Crab Apple."

Malus communis, *Lam.*

M. sylvestris, *Mill.*

Var. **astracanica.**

P. astracanica, *DC.*

Var. **coccinea.**

P. Malus—*cont*

Var. dioica.

M. dioica, *Moench.*

Var. flexilis.

Var. flore albo pleno.

Var. mitis, *Wallr.*

Var. monstrosa.

Var. nervosa.

Var. pendula.

Var. rosea.

P. niedzwetzkyana, *Dieck.* Caucasus.

P. Malus *var.* niedzwetzkyana, *Hort.*

P. orthocarpa, *Nichols.* Japan.

Malus edulis, *Hort.*

M. orthocarpa, *Lavall.*

P. prunifolia, *Willd.*; Bot. Mag. t. 6158. Siberia, &c.

P. sibirica, *Hort.* (in part).

Malus hybrida, *Desf.*

M. prunifolia, *Spach.*

Var. cerasiformis.

Var. chlorocarpa.

Var. flore pleno.

Var. fructu coccineo.

Var. fructu dulcis.

Var. intermedia, *Regel.*

Var. pendula.

Var. xanthocarpa.

P. Ringo, *Maxim.* Japan.

Malus microcarpa *var.* Ringo, *Carr.*

M. Ringo, *Sieb.*

Var. fastigiata bifera, *Hort.*

Var. sublobata, *Zabel.*

P. rivularis, *Dougl.*; Sargent Sylva of North America iv. 77, t. 170. North California to Alaska. "Oregon Crab Apple."

P. diversifolia, *Bong.*

P. fusca, *Rafin.*

P. subcordata, *Ledeb.*

Malus diversifolia, *Roem.*

M. rivularis, *Roem.*

M. subcordata, *Roem.*

Var. integrifolia, *Zabel.*

P. Scheideckeri, *Spath.* (prunifolia × floribunda). Garden origin.

P. Malus *var.* Scheideckeri, *Hort.*

P. floribunda *var.* Scheideckeri, *Hort.*

P. sikkimensis, *Hook. f.* Bot. Mag. t. 7430. India.

P. baccata indica, *Hort.*

P. spectabilis, *Ait.*; Bot. Mag. t. 267. China and Japan.

P. japonica floribunda, *Hort.*

Malus chinensis, *Hort.*

M. sinensis, *Dum.*

M. spectabilis, *Desf.*

Var. flore albo.

Var. flore pleno.

Var. Kaido.

P. spectabilis × Ringo?

Pyrus pyramidalis grandiflora, *Hort.*

P. Toringo, *Sieb.* Japan.

P. Malus Toringo, *Hort.*

P. Sieboldi, *Regel.*

Malus microcarpa *var.* Toringo, *Carr.*

M. rivularis, *Dougl. var.* Toringo, *Dieck.*

M. spectabilis *var.* Toringo, *Lavall.*

Sorbus Toringo, *Sieb.*

Var. **major**, *Hort.*

P. Toringo × spectabilis flore pleno.

P. Tenorei carnea plena, *Hort.*

††† ARIA.

Pyrus alnifolia, *Franch & Sav.*; Bot. Mag. t. 7773. Japan and China.

Aria tiliaefolia, *Decne.*

Crataegus alnifolia, *Sieb. & Zucc.*

Sorbus alnifolia, *Hort.*

P. alpina, *Willd.* (arbutifolia × Aria). Garden origin.

P. densiflora, *Hort.*

Aronia densiflora, *Spach.*

Sorbus alpina, *Hedlund.*

Var. **compacta**.

Var. **superaria**.

P. Aria, *L.*: Eng. Bot. ed. 3, t. 482. North Temperate Zone. "White Beam."

P. badensis, *Hort.*

P. meridionalis, *Guss.*

P. odorata, *Hort.*

Aria nivea, *Host.*

Azarolus Aria, *Borkh.*

P. Aria—*cont.*

Mespilus Aria, *Scop.*
Pirenia Aria, *Clairv.*

Var. **angustifolia**, *Lindl.*

Var. **arioides.**
Sorbus arioides, *Michalet.*

Var. **chrysophylla**, *Hort.*

Var. **flabelliformis.**
P. edulis, *Wats.* Dendr. Brit. i. t. 52 (not *Willd.*).
Crataegus Aria *var.* flabelliformis, *Spach.*
C. corymbosa, *Desf.*
Sorbus Aria rotundifolia, *Hort.*
S. corymbosa, *Lodd.*
S. flabellata, *Hort.*

Var. **graeca**, *Boiss.*
P. Aria, *Sibth.* Fl. Graeca t. 474.
Sorbus graeca, *Lodd.*
S. nivea, *Hort.* (not *Host*).

Var. **lutescens.**
Sorbus Aria lutescens, *Hort.*

Var. **quercoides**, *Hort.*

Var. **salicifolia**, *Hort.*
P. Aria longifolia, *Hort.*
P. Sorbus argentea, *Hort.*
Sorbus argentea, *Hort.*

Var. **sulphurea.**
Sorbus Aria, *Crantz.*
S. sulphurea, *Hort.*

Var. **undulata**, *Lindl.*

P. Chamaemespilus, *L.* Alps of Europe.
Aria Chamaemespilus, *Host.*
Aronia Chamaemespilus, *Pers.*
Crataegus Chamaemespilus, *Jacq.* Fl. Austr. iii. t. 231.
Mespilus Chamaemespilus, *L.*
Sorbus Chamaemespilus, *Crantz.*

P. crataegifolia, *Targ. Tozz.*; Bot. Mag. t. 7423. North Italy.
Cormus florentina, *Decne.*
Crataegus florentina, *Zuccagni.*
Malus crataegifolia, *Koehne.*
Mespilus florentina, *Bertol.*
Sorbus florentina, *Nym.*

P. decaisneana, *Nichols.* Origin unknown.
Aria decaisneana, *Lavall.* Arb. Segrez. t. xviii.

P. glabrata, *Hort.* Origin uncertain.
Sorbus glabrata, *Hort. Vrat.*

P. Hostii, *Hort.* Austrian Alps. (Aria × Chamaemespilus.)
P. sudetica, *Tausch.*
Aria Hostii, *Jacq. f.*
Hahnia Hostii, *Dippel.*

P. intermedia, *Ehrh.* Europe.
P. scandica, *Aschers.*; Eng. Bot. ed. 3, t. 484.
P. sorbifolia, *Hort.*
P. Sorbus corymbiflora, *Hort.*
P. suecica, *Roehl.*
Aria scandica, *Decne.*
Sorbus Mougeoti, *Godr.*
S. quercifolia, *Hort.*
S. scandica, *Fries.*

P. lanata, *D. Don.* Himalaya.
Sorbus majestica, *Hort.*

P. pinnatifida, *Ehrh.*; Gard. Chron. 1883, xx. 493. Europe.
P. Aria *var.* fennica, *Hook. f.*
P. fennica, *Bab.*
Sorbus fennica, *Kalm.*
S. hybrida, *L.*
S. sambucifolia, *Hort.* (not *Cham. & Schlecht.*).

Var. **fastigiata.**

P. rotundifolia, *Bechst.* Europe.
P. Aria-torminalis, *Irm.*
P. atrovirens, *Hort.*
P. decipiens, *Bechst.*
P. latifolia, *Syme.*
P. semilobata, *Bechst.*
Aria latifolia, *Spach.*
Crataegus dentata, *Thuill.*
C. hybrida, *Bechst.*
C. latifolia, *Lam.*
Sorbus atrovirens, *Hort.*
S. latifolia, *Pers.*
S. torminali-hybrida, *Godr.*

P. rupicola, *Syme* Eng. Bot. ed. 3, t. 483. Britain.
Sorbus oblongifolia, *Reichb.*

P. Torminalis, *DC.*; Eng. Bot. ed. 3, t. 481. Europe.
"Wild Service."
Crataegus Torminalis, *L.*
Sorbus Torminalis, *Crantz.*
Torminaria Clusii, *Roem.*
T. vulgaris, *Schur.*

P. trilobata, *DC.* Syria.

Cormus trilobata, *Decne.*

Crataegus trilobata, *Labill.*

Sorbus trilobata, *Boiss.*

P. vestita, *Wall.* India.

P. Aria nepalensis, *Hort.*

P. crenata, *Lindl.* Bot. Reg. t. 1655 (not *D. Don*).

P. nepalensis, *Hort.*

P. Thomsoni, *Hort.* (not *King*).

Aria dentata, *Hort.*

A. lanata, *Decne.*

Sorbus magnifica, *Hort.*

S. nepalensis, *Hort.*

S. vestita, *Lodd.*

†††† Sorbus.

Pyrus americana, *DC.* Sargent Silva of North America iv. tt. 171–2. North America. "American Mountain Ash."

P. Sorbus polonica, *Hort.*

Sorbus americana, *Marsh.*

S. Aucuparia *var.* americana, *Pers.*

S. humifusa, *Rafin.*

Var. **fructu albo.**

Var **microcarpa,** *Torr. & Gray.*

Pyrus microcarpa, *Spreng.*

Sorbus americana *var.* microcarpa, *Wenzig.*

S. microcarpa, *Pursh.*

S. riparia, *Rafin.*

Var. **nana.**

Pyrus Aucuparia, *Gaertn.*; Eng. Bot. ed. 3, t. 486. Northern Hemisphere. "Mountain Ash or Rowan-tree."

Aucuparia sylvestris, *Medic.*

Mespilus Aucuparia, *All.*

Pirenia Aucuparia, *Clairv.*

Sorbus Aucuparia, *L.*

Var. **asplenifolia.**

Var. **Backhousei.**

Var. **discolor.**

Var. **dulcis.**

Var. **fastigiata.**

Var. **fructu luteo.**

Var. **Hodginsii.**

Var. **moravica.**

Var. **pendula.**

Var. **pendula Dawsonii.**

Var. **pendula variegata.**

Var. **satureifolia,** *Hort.*

P. **hybrida,** *Moench* Verz. ausländ. Bäume und Stauden . . . . . 90, f. 6 (arbutifolia × Aucuparia). Garden origin.

P. spuria, *DC.*

Amelanchier pinnata, *Hort.*

Aronia sorbifolia, *Spach.*

Crataegus sorbifolia, *Desf.*

Mespilus sorbifolia, *Poir.*

Sorbus heterophylla. *C. Koch.*

S. spuria, *Pers.*

Var. pendula.

P. lanuginosa, *DC.* Eastern Europe.
Pyrus hybrida lanuginosa, *Hort.*
Sorbus lanuginosa, *Kit.*

P. microphylla, *Wall.* Himalaya.

P. minima, *Ley.* Journal of Botany 1897, t. 372. Britain.
Sorbus minima, *Hedlund.*

P. neuillyensis, *Hort.* (Aucuparia × hybrida ?). Garden origin.
Sorbus neuillyensis, *Dippel.*

P. sambucifolia, *Cham. & Schlecht.*; Sargent Silva of North America tt. 173, 174. North-eastern Asia, North America.

P. Sorbus, *Gaertn.* Europe. "Service Tree."
P. domestica, *Sm.*; Gard. Chron. 1876, vi 649, f. 125.
P. serrulata, *Hort.*
Cormus domestica, *Spach.*
Mespilus domestica, *All.*
Sorbus domestica, *L.*

Var. maliformis, *Lodd.*

Var. pyriformis, *Lodd.*

P. thianschanica, *Regel* Gartenflora 1891, 8. Eastern Asia.
Sorbus thianschanica, *Rupr.*

†††† Adenorachis.

Pyrus arbutifolia, *L. f.* North America. "Choke-berry."
Aronia pirifolia, *Pers.*
A. arbutifolia, *Medic.*; Britt. & Br. Ill. Fl. ii. 236, f.
Azarolus arbutifolia, *Borkh.*
Sorbus arbutifolia, *C. Koch.*

P. nigra, *Sargent* Garden and Forest 1890, 416. North America.

†††††† Pseudocydonia.

P. Delavayi, *Franch.* Yunnan.

††††††† Mespilus.

Pyrus germanica, *Hook. f.* Europe, Asia. "Medlar."

Mespilus domestica, *Gater.*

M. germanica, *L.*; Eng. Bot. ed. 3, t. 478.

M. vulgaris, *Reichb.*

P. lobata, *Nichols.* Garden origin?

Crataegus grandiflora, *C. Koch.*

C. lobata, *Bosc.*

Mespilus grandiflora, *Sm.*

M. lobata, *Poir.*; Bot. Mag. t. 3442.

M. Smithii, *DC.*

***Cydonia, cathayensis**, *Hemsl.*; Hook. Ic. Plant. tt. 2657, 2658. China.

Pyrus cathayensis, *Hemsl.*

C. japonica, *Thunb.* China and Japan. "Japanese Quince."

C. japonica, *Pers.*

C. lagenaria, *Loisel.*

C. speciosa, *Sweet.*

Chaenomeles japonica, *Lindl.*

Malus japonica, *Andr.* Bot. Rep. t. 462.

Var. camelliaefolia.

Pyrus japonica, *Pers.*; Bot. Mag. t. 692.

Var. candicans.

Var. lutec-viridis.

Var. Moerloesi.

Var. nivalis.

C. japonica—*cont.*

Var. princeps.

Var. sulphurea perfecta.

Var. versicolor lutescens.

C. Maulei, *T. Moore*; Florist and Pomologist 1875, 49, t. Japan.

Chaenomeles alpina, *Koehne.*

C. Maulei, *Lavall.*

C. Sargentii, *Lemoine.*

Pseudo-chaenomeles Maulei, *Carr.*

Pyrus japonica *var.* alpina, *Maxim.*

P. japonica *var.* pygmaea, *Maxim.*

P. Maulei, *Masters* Gard. Chron. 1874, i. 756, 159. Bot. Mag. t. 6780.

Var. alba.

Var. atrosanguinea.

Var. superba.

*C. sinensis, *Thouin*; Rev. Hortic. 1889, 228, t. China. "Chinese Quince."

Chaenomeles chinensis, *Koehne.*

Pyrus chinensis, *Sprengel.*

P. sinensis, *Poir.*

C. vulgaris, *Pers.* Native Country unknown. "Quince."

C. chinensis, *Lindl.* Bot. Reg. t. 905.

Pyrus Cydonia, *L.*; Bentl. & Trim. Med. Plants. t. 106.

Var. lusitanica.

C. lusitanica, *Mill.*

Var. maliformis.

C. maliformis, *Mill.*

Sorbus Cydonia, *Crantz.*

Crataego-mespilus Dardari, *Simon Louis*. Graft Hybrid.

Crataegus acutiloba, *Sargent*. United States and Canada.

C. coccinea *var.* indentata, *Hort.*

C. altaica, *Ledeb.*; Lange Revis. Spec. Crat. t. 5. Altai Mountains.

C. purpurea *var.* altaica, *Loud.* Arb. et Fruit. Brit. ii. 823, f. 583.

C. sanguinea *var.* incisa, *Regel.*

C. sanguinea *var.* xanthocarpa, *Regel.*

C. ambigua, *Becker*. Russia.

C. anomala, *Sargent*. Northern United States and Canada.

C. apiifolia, *Michx.*; Sargent Silva of North America t. 188. South United States. "Parsley-leaved Thorn."

C. aprica, *Beadle*. South-eastern United States.

C. arnoldiana, *Sargent*. Massachusetts.

C. Azarolus, *L.* Orient, &c.

C. Aronia, *Lindl.* Bot. Reg. t. 1897.

C. pontica, *C. Koch.*

C. triloba, *Pers.*

Mespilus Azarolus, *Poir.*

M. Aronia, *Spach.*

Var. **macrocarpa**.

C. Boyntoni, *Beadle*. North Carolina.

C. berberifolia, *Torr & Gray*. South United States.

C. Crus-galli *var.* berberifolia, *Sargent* Silva of North America t. 179.

C. canadensis, *Sargent*. Canada.

C. Canbyi, *Sargent.* South-eastern United States.

C. Carrièrei, *Vauvel.* Garden origin.

C. hybrida Carrièrei, *Hort.*

C. Lavallèi, *Herincq.* Arb. Segr. t. 7.

C. mexicana Carrièrei, *Hort.*

C. olivaeformis, *Hort.*

Mespilus Carrièrei, *Hort.*

C. champlainensis, *Sargent.* Northern United States and Canada.

C. chlorosarca, *Maxim.* Mandshuria.

C. mandschurica, *Hort.*

C. sanguinea *var.* Schröderi, *Regel* Gartenflora 1880, 219.

C. coccinea, *L.*; Sargent Silva of North America t. 189. Eastern United States. "Scarlet Haw."

C. acerifolia, *Hort.*

Mespilus coccinea, *Marsh.*

Var. **flabellata**, *Britton*; Britt. & Br. Illustr. Fl. ii. 242, f.

Var. **rotundifolia**, *Sargent.*

C. coccinea, *Lindl.* Bot. Reg. t. 1957. (not *L.*)

C. glandulosa, *Aiton.*

C. horrida, *Medic.*

C. rotundifolia, *Moench.*; Britt. & Brown Illustr. Fl. ii. 243, f.

Mespilus glandulosa, *Ehrh.*

M. rotundifolia, *Du Roi.*

Var. **maxima.**

C. collina, *Chapman.* Southern Appalachian foot-hill region.

C. cordata, *Ait.*; Bot. Reg. t. 1151. North America. "Washington Thorn."

C. acerifolia, *Moench.*

C. flexispina, *Hort.*

C. populifolia, *Walt.*

Mespilus acerifolia, *Burgsd.*

M. cordata, *C. Koch.*

***C. crenulata**, *Roxb.*; Bot. Reg. 1844, t. 52. Himalaya.

C. Pyracantha *var.* crenulata.

Mespilus crenulata, *D. Don.*

Pyracantha crenulata, *Roem.*

C. Crus-galli, *L.*; Sargent Silva of North America t. 178. North America. "Cockspur Thorn, Newcastle Thorn."

C. germanica, *Hort.*

C. lucida, *Miller.*

C. watsoniana, *Roem.*

Mespilus cuneifolia, *Moench.*

M. lucida, *Ehrh.*

M. watsoniana, *Spach.*

Var. **arbutifolia**, *Hort.*

Var. **Downingii.**

C. Downingii, *Hort.*

Var. **fontanesiana**, *Wenzig.*

C. bosciana, *Roem.*

Mespilus bosciana, *Spach.*

M. fontanesiana, *Spach.*

Var. **linearis**, *DC.*

C. linearifolia, *Hort.*

C. linearis, *Pers.*

C. stipulacea microphylla, *Hort.*

C. Crus-galli—*cont.*

Mespilus linearis, *Desf.*
M. lucida *var.* angustifolia, *Ehrh.*

Var. **ovalifolia**, *Lindl.* Bot. Reg. t. 1860.
C. ovalifolia, *DC.*
Mespilus elliptica, *Guimpel.*
M. ovalifolia, *Hornem.*
M. prunellifolia, *Poir.*

Var. **prunifolia**, *Torr. & Gray.*
C. caroliniana, *Lodd.*
C. ingestria, *Lodd.*
C. prunifolia, *Lindl.* Bot. Reg. t. 1868.
Mespilus prunifolia, *Poir.*

Var. **pyracanthifolia**, *Ait.*
C. coursetiana, *Roem.*
C. Crus-galli *var.* salicifolia, *Ait.*
C. nana, *DC.*
C. salicifolia, *Hort.*
Mespilus Crus-galli *var.* salicifolia, *Hayne.*
M. nana, *Dum.*
M. salicifolia, *C. Koch.*

Var. **splendens**, *Lodd.*
C. splendens, *Hort.*
Mespilus badiata, *Bosc.*

C. cuneata, *Sieb. & Zucc.*; Arbor. Segrez. t. v. Japan.
C. alnifolia, *Hort.* (not *Sieb. & Zucc.*).
C. spathulata, *Hort.* (not *Michx.*).
Mespilus cuneata, *C. Koch.*

C. densiflora, *Sargent.* Northern United States and Canada.

C. **dippeliana**, *Lange* Revis. Spec. Crat. t. 10. Origin uncertain.

C. celsiana, *Dippel.*

C. leeana, *Hort.*

C. tanacetifolia *var.* leeana, *Hort.*

C. **Douglasii**, *Lindl.* Bot. Reg. t. 1810. Western North America.

C. punctata *var.* brevispina, *Dougl.*

C. rivularis, *Brewer & Watson* (not *Nuttall.*).

C. sanguinea, *Nutt.*

C. sanguinea *var.* Douglasii, *Torr. & Gray.*

Var. **rivularis**, *Sargent* Silva of North America t. 176.

C. macnabiana, *Hort.*

C. rivularis, *Nuttall.*

Mespilus rivularis, *Wenzig.*

C. **dsungarica**, *Zabel.* Northern Asia.

C. pinnatifida *var.* songarica, *Dippel.*

C. **durobrivensis**, *Sargent.* Western New York.

C. **fecunda**, *Sargent.* Missouri.

C. elliptica, *Hort.*

C. **flava**, *Ait.*; Sargent Silva of North America t. 189. South-eastern United States. "Yellow Haw."

C. caroliana, *Pers.* (not *Lodd.*).

C. flava *var.* lobata, *Lindl.* Bot. Reg. t. 1932.

C. glandulosa, *Ait.* (not *Willd.*).

C. turbinata, *Pursh.*

Mespilus caroliniana, *Poir.*

M. flava, *Willd.*

M. flexispina, *C. Koch* (not *Moench*).

M. turbinata, *Spreng.*

Var. **elliptica.**

C. Heldreichii, *Boiss.* Greece.

C. heterophylla, *Flügge*; Bot. Reg. t. 1161 and 1847. Orient.

C. Azarolus *var.* heterophylla, *Regel.*

C. monogyna *var.* heterophylla, *Hort.*

C. multiflora, *Hort.*

C. Oxyacantha *var.* heterophylla, *Hort.*

Mespilus Aronia, *Wats.* Dendr. Brit. t. 165 (not *Willd.*).

M. constantinopolitana, *Hort.*

M. heterophylla, *C. Koch.*

C. hiemalis, *Lange* Revis. Spec. Crat. t. 9. Origin uncertain.

C. Crus-galli × pentagyna, *Koehne.*

Var. pubescens, *Dippel.*

C. integriloba, *Sargent.* Northern United States and Canada.

C. intricata, *Lange* Revisio Spec. Crat. t. 1. North America.

C. Korolkowi, *L. Henry* Rev. Hortic. 1901, 308 t. Central Asia.

C. lambertiana, *Lange* (nigra? × sanguinea). Garden Origin.

C. laurentiana, *Sargent.* Canada.

C. lobulata, *Sargent.* Western New England.

C. macracantha, *Lodd.* United States.

C. coccinea *var.* macracantha, *Dudley.*

C. glandulosa, *Willd.* (not *Aiton*). Bot. Cab. t. 1012.

C. glandulosa *var.* macracantha, *Lindl.* Bot. Reg. t. 1917.

C. pruinosa, *Hort.* (not *Wendl.*).

C. maloides, *Sargent.* Eastern Florida.

C. melanocarpa, *Bieb.* Caucasus, &c.

C. lambertiana, *Hort.*

C monogyna *var.* nigra, *Pall.*

C. oliveriana, *Bosc.*

C. Oxyacantha *var.* oliveriana, *Lindl.* Bot. Reg. t. 1933.

C. Pallasii, *Griseb.*

C. platyphylla, *Lindl.* Bot. Reg. t. 1874.

C. mexicana, *Moç. & Sess.*; Bot. Reg. t. 1910. Mexico.

Mespilus mexicana, *C. Koch.*

C. mollis, *Scheele*; Sargent Silva of North America, t. 182. United States.

C. coccinea *var.* mollis, *Torr. & Gray.*

C. coccinea glandulosa, *Hort.*

C. coccinea Kelmanni, *Hort.*

C. mespilifolia, *Hort.*

C. subvillosa, *Torr.*

C. texana, *Buckley.*

C. tomentosa, *Emers.* (not *L.*).

C. tomentosa *var.* mollis, *A. Gray.*

C. urasina, *Hort.*

Mespilus coccinea, *Schmidt* (not *L.*).

M. coccinea *var.* pubescens, *Tausch.*

M. pubescens, *Wendl.* (not *Humb. & Bonpl.*).

C. nigra, *Waldst. & Kit.*; Lodd. Bot. Cab. t. 1021. Eastern Europe.

C. carpathica, *Lodd.*

C. versicolor, *Rochel.*

Mespilus nigra, *Willd.*

C. nitida, *Sargent.* Illinois.
C. viridis *var.* nitida, *Britt. & Br.* Illustr. Fl. ii. 242, f.

C. occidentalis, *Britton.* Northern Rocky Mountain region.
C. erythropoda, *Ash.*

C. orientalis, *Pall.*; Bot. Reg. t. 1852. Orient.
C. flabellata, *Heldr.*
C. odorata, *Bosc.*
C. odoratissima, *Lindl.* Bot. Reg. t. 1885.
C. sanguinea, *Schrad.* (not *Pallas*).
C. schraderiana, *Ledeb.*
C. Tournefortii, *Griseb.*
Mespilus Aronia, *Willd.*

C. Oxyacantha, *L.* Europe, North Africa, West Asia "Hawthorn, Whitethorn."

Sub-species **monogyna**, *Jacq.*
Mespilus monogyna, *Willd.*
M. Oxyacantha, *DC.*
M. triloba, *Poir.*

Var. **aurea**, *Loud.*
C. flava, *Hort.*

Var. **auriculata**, *Mérat.*

Var. **cabulica**, *Hort.*

Var. **crispa pendula**, *Hort.*

Var. **eriocarpa**, *Hort.*

Var. **flexuosa**, *Loud.*
C. tortuosa, *Hort.*

Var. **foliis argenteis**, *Hort.*
C. Oxyacantha variegata, *Hort.*

Sub-species monogyna—*cont.*

Var. **foliis aureis**, *Lodd.*
C. Oxyacantha lutescens, *Hort.*

Var. **fusca**, *Hort.*

Var. **fuscata**, *Hort.*

Var. **Gireoudi**, *Späth.*

Var. **granatensis.**

Var. **Gumperi versicolor**, *Hort.*

Var. **horrida**, *Hort.* Gard. Chron. 1898, xxiv. 13, f. 5.
C. spinosissima, *Hort.* (not *Lodd.*).

Var. **Insegnae.**
C. brevispina, *Kunze.*
C. Insegnae, *Tineo.*
C. monogyna *var.* brevispina, *Dippel.*

Var. **laciniata**, *Loud.*
C. apiifolia, *Hort.*
C. dissecta, *Hort.*
C. fissa, *Bosc.*
C. laciniata, *Lodd.*

Var. **macrocarpa.**
C. macrocarpa, *Hegetsch.*

Var. **oxyphylla.**

Var. **pendula**, *Lodd.*

Var. **pendula variegata.**

Var. **pinnatiloba.**

Var. **polyacantha.**
C. polyacantha, *Jan.*

Var. **praecox**, *Hort.* "Glastonbury Thorn."

Sub-species monogyna—*cont.*

Var. pteridifolia, *Loud.*
C. pectinata, *Hort.*
C. pterifolia, *Lodd.*

Var. quercifolia, *Hort.*

Var. ramulis aureis.

Var. Reginae, *Hort.*

Var. rubrinervis.

Var. salisburifolia.

Var. semperflorens, *Carr.*
C. Bruantii, *Hort.*

Var. sesteriana, *Hort.*

Var. sibirica, *Loud.*
C. sibirica, *Lodd.*

Var. stricta, *Lodd.*
C. fastigiata, *Hort.*
C. Oxyacantha *var.* rigida, *Ronalds.*

Var. variegata.

Var. Zaboon, *Hort.*

Sub-species, oxyacanthoides (*Thuill.*); Bot. Reg. t. 1128.
C. Oxyacantha glomerata, *Hort.*
C. obtusata, *DC.*
Mespilus Oxyacantha, *C. Koch.*

Var. atrofusca, *Hort.*

Var. flore pleno albo, Fl. des. Serres xv. t. 1509 (2).

Var. flore pleno coccineo, Ill. Hort. t. 536.

Var. flore pleno puniceo.

Var. flore pleno roseo.

Sub-species, oxyacanthoides—*cont.*

Var. flore pleno rubro, Fl. des Serres xv. t. 1509 (3).

Var. flore puniceo, Fl. des Serres xv. t. 1509 (1).

Var. fructu luteo.

Var. incisa, *Hort.*

C. pastorum, *Sargent.* Massachusetts.

C. pentagyna, *Kit.* Eastern Europe.
Mespilus pentagyna, *C. Koch.*

C. pinnatifida, *Bunge.* China, &c.
C. Oxyacantha *var.* pinnatifida, *Regel.*
C. dahurica, *Hort.*
Mespilus pinnatifida, *C. Koch.*

Var. major, *N.E.Br.* Gard. Chron. 1886, xxvi. 621, f. 121.
C. californica, *Hort.*
C. chinensis, *Hort.*
C. Korolkowi, *Hort.* (not *L. Henry*).
C. Layi, *Gord.*
C. tartarica, *Hort.*

C. praecox, *Sargent.* Northern United States and Canada.
C. glandulosa typica, *Regel.*

C. Pringlei, *Sargent.* Northern United States and Canada.

C. pruinosa, *Wendl.* Northern United States.

C. punctata, *Jacq.*; Sargent Silva of North America t. 184.
East and North America.
C. latifolia, *DC.*
C. Loddigesii, *Hort. Segr.*
C. obovatifolia, *Roem.*
C. tomentosa *var.* punctata, *A. Gray.*

C. punctata—*cont.*

Mespilus cuneifolia, *Ehrh.*
M. cuneiformis, *Marsh.*
M. punctata, *Loisel.*
M. pyrifolia, *Desf.* (not *Willd.*).

Var. **brevispina.**

Var. **striata.**

Var. **xanthocarpa**, *Jacq.*; Arb. Segrez. t. 16.
C. aurea, *Hort.*
Mespilus cornifolia, *Poir.*

C. Pyracantha, *Pers.* South Europe, &c. "Buisson ardent."
Cotoneaster Pyracantha, *Spach.*
Mespilus Pyracantha, *L.*
Pyracantha coccinea, *Roem.*

Var. **Lalandi**, *Hort.*

Var. **pendula.**

C. sanguinea, *Pall.* Siberia, &c.
C. praecox, *Hort.*
C. purpurea, *Loud.*
C. spinosissima, *Lodd.* Bot. Cab. t. 1100.
Mespilus sanguinea, *C. Koch.*

Var. **songorica.**
Mespilus dsungarica, *Hort.*

C. sinaica, *Boiss.* Orient.
C. Aronia, *Decne.*
C. maroccana, *Lindl.* Bot. Reg. t. 1855.

C. sorbifolia, *Lange.* Origin unknown.

C. spathulata, *Michx.*; Sargent Silva of North America t. 185. Southern United States.

C. microcarpa, *Lindl.* Bot. Reg. t. 1846.

C. virginica, *Hort.*

Cotoneaster spathulata, *Wenzig.*

Mespilus spathulata, *Poir.*

C. succulenta, *Link.*; Lange Revis. Spec. Crat. t. 8*b*. Northern United States and Canada.

C. glandulosa *var.* succulenta, *Lauche.*

C. macracantha *var.* minor, *Loud.*

C. rotundifolia *var.* succulenta, *Dippel.*

Mespilus succulenta, *Sweet.*

C. tanacetifolia, *Pers.*; Bot. Reg. t. 1884. Orient.

Mespilus tanacetifolia, *C. Koch.*

Var. fructu albo.

C. tiliaefolia, *Koehne.* North America.

Mespilus tiliaefolia, *C. Koch.*

C. tomentosa, *L.*; Sargent Silva of North America t. 183. Eastern United States, &c.

C. elliptica, *Hort.*

C. latifolia, *Pers.*

C. leucophloeos, *Moench.*

C. pyrifolia, *Ait.* (not *Desf.*).

C. tomentosa *var.* pyrifolia, *A. Gray.*

Mespilus Calpodendron, *Ehrh.*

M. latifolia, *Poir.*

M. pyrifolia, *Willd.*

M. tomentosa, *Castigl.*

C. uniflora, *Muench.*; Sargent Silva of North America t. 191. Southern United States.

C. aemula, *Hort. Paris.*

C. betulaefolia, *Lodd.*

C. flexuosa, *DC.*

C. florida, *Lodd.*

C. grossulariaefolia, *Lodd.*

C. parvifolia, *Adans.*

C. Pinshow, *Hort.*

C. unilateralis, *Pers.*

Mespilus axillaris, *Pers.*

M. flexispina, *Muench.*

M. flexuosa, *Poir.*

M. parvifolia, *Willd.*

M. uniflora, *Wenzig.*

M. xanthocarpa, *L. fil.*

C. Vailiae, *Britton*: Britt. & Br. Illustr. Fl. ii. 245, f. Virginia and North Carolina.

C. viridis, *L.*; Sargent Silva of North America t. 187. Southern United States.

C. apiifolia, *Loud.* (not *Michx.*).

C. arborescens, *Elliott.*

C. trilobata, *Hort.*

Cotoneaster acuminata, *Lindl.* Himalaya.

C. royleana, *Hort.*

Mespilus acuminata, *Lodd.* Bot. Cab. t. 919.

C. acutifolia, *Lindl.* (not *Turcz.*). Mongolia.

C. lucida, *Schlecht.*

C. sinensis, *Hort.*

Var. pekinensis, *Koehne.*

C. affinis, *Lindl.* Himalaya.

C. rosea, *Edgw.*

Mespilus affinis, *D. Don.*

C. arborescens, *Zabel.* Himalaya.

C. compta, *Hort.* (not *Lemaire*).

C. granatensis, *Hort.* (not *Boiss.*).

C. Lindleyi, *Hort.* (not *Steud.*).

C. nummularia, *C. Koch.*

C. bacillaris, *Wall.* Himalaya.

C. obtusa, *Wall.*

Var. floribunda, *Hort.*

C. buxifolia, *Wall.*; Reing. Bot. i. t. 52. Himalaya.

C. hookeriana, *Hort.*

C. marginata, *Hort.*

C. repens, *Hort.*

C. uniflora, *Hort.* (not *Bunge*).

C. Wheeleri, *Hort.*

C. disticha, *Lange.* Himalaya.

C. Hookeri, *Hort.*

C. Franchetii, *Bois*; Rev. Hortic. 1902. 379. ff. 159. 160. 161. 164. Yunnan.

C. frigida, *Wall.*: Bot. Reg. t. 1229. Himalaya.

C. affinis, *Hort.* (not *Lindl.*).

C. himalayensis, *Hort.*

C. horizontalis, *Decne.*: Rev. Hort. 1889, 348. Himalaya.

C. davidiana, *Hort.*

C. acuminata, *Lindl.* var. prostrata, *Dippel.*

C. integerrima, *Medic.* Mountains of Europe, &c.

C. melanocarpa, *Bl.*

C. nigra, *Wahlberg.*

C. villosa, *Hort.*

C. vulgaris, *Lindl.*

Crataegus Cotoneaster, *Borkh.*

Mespilus Cotoneaster, *L.*

M. melanocarpa, *Fisch.*

C. lanata, *Decne.* Himalaya.

C. laxiflora, *Jacq.*; Bot. Reg. t. 1305; Bot. Mag. t. 3519. Siberia.

C. Lindleyi, *Steudel.* Himalaya.

C. elliptica, *Hort.*

C. laevis, *Hort.*

C. nummularia, *Lindl.* (not *Fisch. & Mey.*). Loud. Arboret. . . . Brit. ii. 872, f.

C. microphylla, *Wall.*; Bot. Reg. t. 1114. Himalaya.

Var. **glacialis**, *Hook. f.*

C. congesta, *Baker* Refug. Bot. i. t. 51.

C. multiflora, *Bunge.* China.

C. reflexa, *Carr.*

C. vulgaris *var.* glabrata.

C. Nummularia, *Fisch. & Mey.* Europe, Asia.

C. Fontanesii, *Spach.*

C. racemiflora, *C. Koch.*

Mespilus racemiflora, *Desf.*

C. pannosa, *Franch.*: Le Jardin 1898, f. 120; Rev. Hortic. 1902, 381, f. 163. Yunnan.

C. rotundifolia, *Wall.*; Refug. Bot. i. t. 54. Himalaya.

C. microphylla *var.* Uva-ursi, *Lindl.*

Var. **prostrata**, *Baker* Refug. Bot. i. t. 53.

C. Simonsii, *Baker* Refug. Bot. i. t. 55. Himalaya.
C. acutifolia, *Turcz.*
C. himalaiensis, *Hort.*
C. nepalensis, *Hort.*

C. thymifolia, *Baker* Refug. Bot. i. t. 50. Himalaya.

C. tomentosa, *Lindl.* Alps, &c.
Mespilus coccinea, *Waldst. & Kit.*
M. eriocarpa, *DC.*
M. tomentosa, *Mill.*

C. uniflora, *Bunge.* Siberia, &c.
C. nigra *var.* uniflora, *Regel.*
C. Uva-ursi, *Pall.*

*Photinia benthamiana, *Hance.* China.

P. serrulata, *Lindl.* China.
P. dentata, *Hort.*
P. glabra, *Hort.* (not *Decne.*).
Crataegus glabra, *Thunb.*; Bot. Mag. t. 2105.
C. serratifolia, *Desf.*

Var. rotundifolia.

P. variabilis, *Hemsl.* China and Japan.
P. laevis, *DC.*
P. villosa, *DC.*
Crataegus laevis, *Thunb.*
C. villosa, *Thunb.*
Pourthiaea arguta, *Hort.* (not *Decne.*).

*Heteromeles arbutifolia, *Roemer.* California. "Toyon or Tollon."
Photinia arbutifolia, *Lindl.* Bot. Reg. t. 491.

*Eriobotrya japonica, *Lindl.* China and Japan. "Loquat."
Mespilus japonica, *Thunb.*; Bot. Reg. t. 365.
Photinia japonica, *Franch. & Sav.*

*Raphiolepis japonica, *Sieb. & Zucc.* Japan.
R. integerrima, *Hort.*
R. japonica, *Sieb. & Zucc. var.* integerrima, *Hook.* Bot. Mag. t. 5510.
R. Mertensii, *Sieb. & Zucc.*
R. ovata, *Hort.*
Mespilus Seiboldi, *Blume.*

*Stranvaesia glaucescens, *Lindl.* Bot. Reg. t. 1956. Himalaya.

S. undulata, *Decne.* China.

Amelanchier alnifolia, *Nutt.*; Garden and Forest 1888, 185. North-western America.
A. alpina, *Hort.*
A. canadensis *var.* alnifolia, *Torr. & Gray.*
A. canadensis *var.* florida, *Hort.*
A. canadensis *var.* florida parvifolia, *Hort.*
A. canadensis *var.* pumila, *Torr. & Gray.*
A. florida, *Lindl.* Bot. Reg. t. 1589.
A. japonica, *Hort.* (not *Miquel*).
A. montana, *Hort.*
A. ovalis *var.* semi-integrifolia, *Hook.*
A. parvifolia, *Hort.*
Aronia alnifolia, *Nutt.*

A. asiatica, *Walpers.* Japan.
A. canadensis *var.* japonica, *Miq.*
A. japonica, *Miq.*
Aronia asiatica, *Sieb. & Zucc.*

A. canadensis, *Medic.* North America. "June-berry, Service-berry."

A. asiatica, *Hort.* (not *Walp.*).

A. Botryapium, *Lindl.*

A. canadensis *var.* sanguinea, *DC.*

A. canadensis *var.* spicata, *Lam.*

A. lancifolia, *Hort.*

A. ovalis, *Medic.*

A. sanguinea, *Lindl.* Bot. Reg. t. 1171.

A. spicata, *C. Koch.*

A. stricta, *Hort.*

Aronia Botryapium, *Pers.*

A. sanguinea, *Nutt.*

Crataegus racemosa, *Lam.*

C. spicata, *Lam.*

Mespilus arborea, *Michx.*

M. canadensis, *L.*

M. nivea, *Marsh.*

Pyrus Botryapium, *L. f.*

P. sanguinea, *Pursh.*

Var. **oblongifolia**, *Torr. & Gray*; Bot. Mag. t. 7619. Eastern United States and Canada. "Swamp Sugar Pear."

A. canadensis *var.* obovalis, *Sargent.*

A. oblongifolia, *Roem.*

A. oligocarpa, *Roem.*; Garden and Forest 1888, 245, f. 41. Northern United States.

A. utahensis, *Koehne.* North America.

A. vulgaris, *Moench.*; Gard. Chron. 1890, vii. 621, f. 104. Europe, &c.

A. rotundifolia, *Decne.*

Aronia Amelanchier, *Reichb.*

A. vulgaris—*cont.*

A. rotundifolia, *Pers.*
Crataegus Amelanchier, *Desf.*
C. rotundifolia, *Lam.*
Mespilus Amelanchier, *L.*
Pyrus Amelanchier, *Willd.*
Sorbus Amelanchier, *Crantz.*

Var. **cretica**, *Boiss.* Asia Minor, &c.
Amelanchier cretica, *C. Koch.*
A. suborbicularis, *Borkh.*
Aronia cretica, *Pers.*
Crataegus cretica, *Desf.*
Pyrus cretica, *Willd.*

Peraphyllum ramosissimum, *Nutt.*; Bot. Mag. t. 7420. Oregon, &c.

Saxifragaceae.

***Hydrangea altissima**, *Wall.* Himalaya.

H. arborescens, *L.*; Bot. Mag. t. 437. Eastern United States.
H. cordata, *Pursh*; Wats. Dendr. Brit. i. t. 42.
H. frutescens, *Marsh.*
H. urticaefolia, *Hort.*
H. vulgaris, *Michx.*

H. aspera, *D. Don.* Himalaya and China.

Var. **macrophylla**, *Hemsl.* China.

H. Bretschneideri, *Dipp.* China.
H. pekinensis, *Hort.*
H. pubescens, *Decne.*
H. vestita *var.* pubescens, *Maxim.* Garden and Forest 1890, 17, f. 3 : 1893, 396, f. 60.

*H. hortensis, *Sm.*; Bot Mag. t. 438. China and Japan.

H. Hortensia, *DC.*

H. japonica, *Sieb.*

H. mutabilis, *Hort.*

H. opuloides, *Lam.*

Hortensia mutabilis, *Hort.*

H. rosea, *Desf.*

H. speciosa, *Pers.*

Var. **acuminata,** *A. Gray.*

H. acuminata, *Sieb. & Zucc.* Fl. Jap. t. 56; Rev. Hort. 1874, t. 91.

H. Buergeri, *Sieb. & Zucc.* Fl. Jap. t. 57.

Var **Lindleyi.**

H. hortensis roseo-alba.

H. japonica *var.* coerulescens, *Regel.*

H. japonica *var.* Lindleyi.

H. japonica *var.* roseo-alba, *Regel.*

H. roseo-alba, Fl. des Serres tt. 1649-50.

*Var. **Mariesii.** Garden liv. t. 1196.

*Var. **nigra.**

Hortensia nigra, *Carr.*

Hydrangea cyanoclada, *Hort.*

H. mandschurica nova, *Hort.*

H. opuloides cyanoclada, *Dipp.*

H. ramis pictis, *Hort.*

Var. **stellata,** *Maxim.*

H. stellata, *Sieb. & Zucc.* Fl. Jap. t. 59.

Var. **stellata fimbriata.**

Var. **stellata rosea.**

*Var. **variegata.**

H. japonica variegata, *Regel.*

*H. involucrata, *Sieb. & Zucc.* Fl. Jap. tt. 63, 64. Japan.

H. longipes, *Hemsl.* China.

H. paniculata, *Sieb. & Zucc.* Fl. Jap. t. 61. Japan.

Var. grandiflora, *Sieb.*

H. paniculata *var.* floribunda, *Regel* Gartenflora 1867, t. 530.

H. paniculata *var.* hortensis, *Maxim.*

H. petiolaris, *Sieb. & Zucc.*; Bot. Mag. t. 6788. Japan.

H. bracteata, *Sieb. & Zucc.*

H. cordifolia, *Sieb. & Zucc.*

H. scandens, *Maxim.*

Schizophragma hydrangeoides, *Hort.* (not *Sieb. & Zucc.*).

H. quercifolia, *Bartr.*; Bot. Mag. t. 975. Southern United States.

H. platanifolia, *Hort.*

H. radiata, *Walt.*; Britt. & Br. Illustr. Fl. ii. 185, f. South-eastern United States.

H. discolor, *Rafin.*

H. nivea, *Michx.*; Wats. Dendr. Brit. i. t. 43.

Var. canescens, *Nichols.*

H. canescens, *C. Koch.*

Hydrangea glauca, *Hort.*

H. sinensis, *Hort.*

H. serrata, *Ser.* Japan.

H. Thunbergi, *Sieb.*; Sieb. & Zucc. Fl. Jap. t. 58. Japan.

H. cyanea, *Hort.*

H. vestita, *Wall.* Himalaya.

H. heteromalla, *D. Don.*

H. pubescens, *Decne.*; Gard. Chron. 1884, xxii. 617, f. 107.

H. virens, *Sieb.*; Sieb. & Zucc. Fl. Jap. t. 60. Japan.

Schizophragma hydrangeoides, *Sieb. & Zucc.* Fl. Jap. t. 26. Japan.

S. integrifolia, *Oliver* Icon. Plant. t. 1934. China.

*Deutzia corymbosa, *R. Br.* Himalaya.

D. crenata, *Sieb. & Zucc.* Fl. Jap. i. 19, t. 6. Japan.

D. californica, *Hort.*

D. Fortunei, *Hort.*

D. scabra, *Lindl.* Bot. Reg. t. 1718 (not *Thunb.*).

D. scabra *var.* crenata, *Maxim.*

D. sieboldiana, *Hort.* (not *Maxim.*).

D. Watereri, *Hort.*

Var. flore pleno extus purpurea.

Var. punctata.

D. discolor, *Hemsl.* China.

Var. purpurascens. Bot. Mag. t. 7708.

D. gracilis, *Sieb. & Zucc.*; Flore des Serres vi. 611. Japan.

Var. foliis aureis.

Var. marmorata.

Var. variegata.

D. gracilis campanulata, *Hort.* (gracilis ♀ × discolor purpurascens ♂).

D. kalmiaeflora, *Lemoine.* (gracilis purpurascens ♀ × parviflora ♂).

D. Lemoinei, *Hort.* (gracilis × parviflora). Le Jardin 1895. 243.

D. parviflora, *Bunge*: Garden and Forest 1888, 365. China.

D. scabra, *Thunb.*: Sieb. & Zucc. Fl. Jap. t. 7. China and Japan.

D. setchuenensis, *Franch.* China.

D. corymbiflora, *Lemoine* Rev. Hort. 1898, 402, f. 138.

D. corymbosa, André Rev. Hort. 1897, 466, f. 139.

D. sieboldiana, *Maxim.* Japan.

D. staminea, *R. Br.*; Bot. Reg. xxxiii. t. 13. Himalaya.

D. brunoniana, *Wall.*

D. canescens, *Hort.*

D. corymbosa, *Lindl.* Bot. Reg. xxvi. t. 5.

*Decumaria barbara, *L.*; Britt. & Br. Illustr. Fl. ii. 185, f. Southern United States.

D. Forsythia, *Michx.*

D. radicans, *Moench.*

D. sarmentosa, *Bosc.*

D. scandens, *Salisb.*

Forsythia scandens, *Wall.*

Philadelphus acuminatus, *Lange* Bot. Tidsskrift ser. 3, vol. ii. 131, t. 2. Origin uncertain.

P. cordifolius, *Lange* Botanisk Tidsskrift ser. 3, vol. ii. t. 3. Origin uncertain.

P. coronarius, *L.* Asia. "Mock Orange."

P. triflorus, *Hort.*

Var. dianthiflorus plenus.

Var. flore pleno.

Var. foliis argenteo-variegatis.

Var. foliis aureis.

Var. nanus, *Mill.*

Var. Satsumi, *Maxim.*

Var. tomentosus, *Hook. f. & Thoms.* Himalaya to China.

Philadelphus tomentosus, *Wall.*

P. **Falconeri**, *Hort.* Origin uncertain.

P. **gordonianus**, *Lindl.* Bot. Reg. xxv. t. 32. Western United States.

P. **grandiflorus**, *Willd.*; Britt. & Br. Illustr. Fl. ii. 186, f. Southern United States.

Philadelphus columbiensis, *Hort.*

P. inodorus *var.* grandiflorus, *A. Gray.*

P. laxus, *Lodd.*

P. speciosus, *Schrad.*; Bot. Reg. t. 2003.

Deutzia corymbosa, *Hort.*

D. sanguinea, *Hort.*

Var. **floribundus**, *Torr. & Gray.*

P. floribundus, *Schrad.*

P. grandiflorus, *Lindl.* Bot. Reg. t. 570.

P. latifolius, *Schrad.*

P. verrucosus, *Schrad.*

P. Zeyheri, *Schrad.*

Var. **laxus**, *Torr. & Gray.*

P. humilis, *Hort.*

P. ignea, *Hort.*

P. laxus, *Schrad.*

P. pubescens, *Lodd.*

P. **hirsutus**, *Nutt.*; Bot. Mag. t. 5334. Oregon.

Philadelphus Godohokeri, *Hort.*

P. gracilis, *Lodd.*

P. trinervius, *Schrad.*

P. villosus, *Lodd.*

Deutzia Godohokeri, *Hort.*

P. **inodorus**, *L.*; Britt. & Br. Illustr. Fl. ii. 186. Southern United States.

P. insignis, *Carr.* Garden origin.
P. Billiardi, *Hort.*

P. Lemoinei, *Hort.* (microphyllus × coronarius) Garden and Forest 1889, f. 154. Garden origin.

Var. erectus.

P. Lewisii, *Pursh.* Western North America.
P. thyrsiflorus, *Hort.*
P. sanguineus, *Hort.*

Var. californicus, *A. Gray.* California.
P. coronarius nivalis, *Hort.*
P. nivalis, *Hort.*

*P. mexicanus, *Schlecht.*; Gard. Chron 1883, xix. 753, f. 123; Bot. Mag. t. 7600. Mexico.

P. microphyllus, *A. Gray*; Gard. Chron. 1887, ii. 156. Colorado, &c.

P. pekinensis, *Rupr.* China.

P. Satsumi, *Siebold*; Lindl. & Paxt. Fl. Gard. ii. 103, f. 188. Japan, &c.
Philadelphus japonicus, *Hort.*
P. Ledebourii, *Hort.*
P. pulchella, *Hort.*
P. Roylei, *Hort.*
P. Schrenckii, *Rupr.*
P. speciosus, *Hort.*
P. Yokohama, *Sieb.*
Deutzia japonica, *Hort.*
D. pulchella, *Hort.*

P. undulatus, *Hort.* Origin unknown.

*Platycrater arguta, *Sieb. & Zucc.* Fl. Jap. i. t. 27. Japan.
P. Sieboldii, *Hort.*

Jamesia americana, *Torr. & Gray*; Bot. Mag. t. 6142. Rocky Mountains.

Fendlera rupicola, *A. Gray*; Garden and Forest 1889, 112, f. 98. South-west United States.

***Carpentaria californica**, *Torrey*; Bot. Mag. t. 6911. California.

Escallonia exoniensis, *Hort.* Garden origin.

***E. floribunda**, *H. B. & K.*; Bot. Mag. t. 6404. Colombia, Ecuador, &c.

***E. illinita**, *Presl.*; Bot. Reg. t. 1900. Chili.

E. langleyensis, *Hort.*; Gard. Chron. 1898, xxiv. 11, f. 4.
E. macrantha × philippiana. Journ. of Hortic. 1897, Sept. 9, 237, f. 33.

***E. littoralis**, *Phil.* Chili.

***E. macrantha**, *Hook. & Arn.*; Bot. Mag. t. 4473. Chiloe.
E. bicolor, *Hort.*
E. Ingrami, *Hort.*
E. rubra Ingrami, *Hort.*

***E. montana**, *Phil.* Chili.

***E. montevidensis**, *DC.*; Bot. Reg. t. 1467. Montevideo, &c.
E. floribunda *var.* montevidensis, *Cham. & Schlecht.*

E. philippiana, *Masters* Gard. Chron. 1878. x. 109, f. 13. Valdivia.

***E. pterocladon**, *Hook.* Bot. Mag. t. 4827. Western Patagonia.

***E. pulverulenta**, *Pers.*; Sweet Brit. Fl. Garden ser. ii. t. 310. Chili.

*E. punctata, *DC.* Chili.

E. rubra *var.* punctata, *Hook. f.* Bot. Mag. t. 6599.

E. sanguinea, *Hort.*

*E. revoluta, *Pers.*; Bot. Mag. t. 6949. Chili.

E. affinis, *Ruprecht.*

*E. rubra, *Pers.*; Bot. Mag. t. 2890. Chili.

Var. pallida.

E. poeppigiana, *DC.*

*E. viscosa, *Forbes*; Ic. Selectae Horti Thenensis i. t. 16. Chili.

*Itea ilicifolia, *Oliver*; Hook. Icon. Plant. t. 1538. China.

I. virginica, *L.*; Bot. Mag. t. 2409. Eastern United States.

*Weinmannia trichosperma, *Cav.* Chili.

Ribes alpinum, *L.*; Lodd. Bot. Cab. t. 1486; Eng. Bot. ed. 3, t. 519. Northern Hemisphere.

Ribes grossulariaefolium, *Reichb.*

R. opulifolium, *Hort.*

Var. foliis aureis, *Hort.*

Var. laciniatum, *Hort.*

Var. pumilum, *Lindl.*

Var. sterile, *Wallr.*

R. dioicum, *Moench.*

R. americanum, *Mill.* North America.

Ribes campanulatum, *Moench.*

R. floridum, *L'Hérit.*; Britt. & Br. Illustr. Fl. ii. 191, f.

R. missouriense, *Hort.* (not *Nuttall*).

R. pensylvanicum, *Lam.*

R. recurvatum, *Michx.*

Coreosma florida, *Spach.*

R. amictum, *Greene*. California, &c.

R. aureum, *Pursh*; Bot. Reg. t. 125. Western North America. "Buffalo or Missouri Currant."

Ribes fragrans, *Lodd.* Bot. Cab. t. 1533.

R. odoratum, *Wendl.*

R. palmatum, *Desf.*

R. utahense, *Hort.*

Chrysobotrya revoluta, *Spach.*

Var. **aurantiacum**, *Hort.*

Var. **praecox**, *Lindl.*

Var. **serotinum**, *Lindl.*

Var. **tenuiflorum**, *Torr.*

R. tenuiflorum, *Lindl.* Bot. Reg. t. 1274.

R. bracteosum, *Dougl.*; Bot. Mag. t. 7419. Western North America.

R. cereum, *Dougl.*; Bot. Mag. t. 3008. Western United States, &c.

R. inebrians, *Lindl.* Bot. Reg. t. 1471.

R. Kunthii, *Hort.*

R. mexicanum, *Hort.*

R. reniforme, *Nutt.*

R. Cynosbati, *L.*; Loud. Arb. ii. 970, f. 719. Eastern United States.

R. gracile, *Torrey.*

Grossularia Cynosbati, *Spach.*

R. Diacantha, *Pall.* Fl. Ross. t. 66. Siberia, &c.

R. cuneatum, *Kar. & Kir.*

R. saxatile, *Pall.*

Grossularia diacantha, *Mill.*

Var. **atrorubens.**

Var. **melanocarpum.**

R. divaricatum, *Dougl.*; Bot. Reg. t. 1359. Western North America.

R. triflorum, *Hook.*

R. villosum, *Nutt.* (not *Gay*).

R. fasciculatum, *Sieb. & Zucc.*; Möller's Deutsche Garten-Zeitung 1889, 571. Japan, &c.

Var. Billiardii.

R. Billiardii, *Carr.*

Var. chinense.

R. gordonianum, *Lem.* (sanguineum × aureum); Fl. des Serres ii. 165. Garden origin.

R. Beatoni, *Hort.*

R. loudonianum, *Hort.*

R. gracile, *Michx.* North-western United States.

R. missouriense, *Nutt.*

R. niveum, *Lindl.* Bot. Reg. t. 1692.

Grossularia nivea, *Spach.*

R. Grossularia, *L.*; Eng. Bot. ed. 3, t. 518. Northern Hemisphere. "Gooseberry."

R. alpestre, *Wall.*

R. Uva-crispa, *DC.*

R. grossularioides, *Maxim.* China and Japan.

R. macrocalyx, *Hance.*

R. himalayense, *Decne.* (not *Royle*). Himalaya.

R. lacustre, *Poir.*; Bot. Mag. t. 6492. North America.

R. echinatum, *Dougl.*

R. laxiflorum, *Pursh.* Western United States.

R. affine, *Dougl.*

R. Lobbii, *A. Gray*; Gard. Chron. 1883, xix. 11, f. 1. California.

R. subvestitum, *Hook.* Bot. Mag. t. 4931.

R. Menziesii, *Pursh*: Bot. Reg. xxxiii. t. 56. Western North America.

R. ferox, *Smith.*

R. multiflorum, *Waldst. & Kit.*; Bot. Mag. t. 2368. South-east Europe.

R. album multiflorum, *Hort.*

R. urceolatum, *Tausch.*

R. vitifolium, *Host.*

R. nigrum, *L.*; Engl. Bot. ed. 3, t. 523. North Europe and North Asia. "Black Currant."

Var. **altaicum.**

R. Dikuscha, *Fisch.*

Var. **dissectum.**

Var. **laciniatum.**

R. aconitifolium, *Hort.*

Var. **reticulatum aureum.**

Var. **variegatum.**

R. orientale, *Desf.* Orient, &c.

R. leptostachyum, *Decne.*; Jacq. Voyage iv. 65 t. 76.

R. punctatum, *Lindl.* Bot. Reg. t. 1278 (not *Ruiz & Pav.*).

R. oxycanthoides, *L.*: Bot. Mag. t. 6892. North America. (Parent of the American garden Gooseberries.)

R. hirtellum, *Michx.*

R. irriguum, *Dougl.*

R. saxosum, *Hook.*

R. setosum, *Lindl.*

R. stenophyllum, *Hort.*

Var. Purpusii, *Späth.*

R. petraeum, *Wulf.*; Reichb. Fl. Germ. xxiii. t. 138. Europe, &c.

R. atropurpureum, *C. A. Meyer.*

R. Biebersteinii, *Berl.*

R. carpaticum, *Kit.*

R. caucasicum, *Bieb.*

R. macrobotrys, *Hort.*

R. prostratum ringens, *Hort.*

R. ringens, *Hort.*

R. triste, *Bunge.*

R. pinetorum, *Greene.* New Mexico.

R. prostratum, *L'Hérit.* North America.

R. glandulosum, *Ait.*

R. trifidum, *Michx.*

R. punctatum, *Ruiz & Pav.*; Bot. Reg. t. 1658. Chili.

R. robustum, *Hort.* Origin unknown.

R. rotundifolium, *Michx.* Eastern United States.

R. gracile, *Pursh* (not *Michx.*).

R. triflorum, *Willd.*; Lodd. Bot. Cab. t. 1094.

R. rubrum, *L.*; Eng. Bot. ed. 3, t. 520. Northern Hemisphere. "Red Currant."

Var. album, *Desf.* "White Currant."

Var. foliis luteo-variegatis.

Var. Schlechtendalii.

R. Schlechtendalii, *Lange* Flora Danica t. 2892. North Europe.

Var. smithianum, *Syme*; Eng. Bot. ed. 3, t. 521.

Var. subglandulosum, *Marim.*

R. sanguineum, *Pursh*; Bot. Mag. t. 3335. California, &c.
"Flowering Currant."

Var. **albidum**, *Paxton.*

Var. **atrorubens.**

Var. **atrosanguineum.**

Var. **carneum**, *Hort.*
R. carneum grandiflorum, *Hort.*

Var. **davidianum**, *Hort.*

Var. **epruinosum**, *C. Koch.*

Var. **flore pleno.**

Var. **glutinosum**, *A. Gray.*
R. glutinosum, *Benth.*

Var. **intermedium**, *Hort.*

Var. **malvaceum**, *S. Wats.*
R. malvaceum, *Sm.*; Sweet British Flower Garden ser. ii. t. 340.

R. speciosum, *Pursh*; Bot. Mag. t. 3530. California.
R. fuchsioides, *Moç. et Sessé.*
R. stamineum, *Sm.*
Robsonia speciosa, *Spach.*

R. stenocarpum, *Maxim.* China.

R. valdivianum, *Phil.* Chili.

***R. viburnifolium**, *A. Gray.* California.

R. villosum, *C. Gay*; Bot. Mag. t. 7611. Chili.
R. Bridgesii, *Hort.*
R. chilense, *C. Koch.*
R. gayanum, *Hort.*
R. Lavallei, *Hort.*

Hamamelidaceae.

Parrotia jacquemontiana, *Decne.*; Bot. Mag. t. 7501. Western Himalaya.

Fothergilla involucrata, *Falconer.*

P. persica, *C. A. Meyer*; Bot. Mag. t. 5744. Persia.

Hamamelis persica, *DC.*

Fothergilla Gardeni, *Murr.* South-eastern United States.

Fothergilla alnifolia, *L. f.*; Bot. Mag. t. 1341.

F. carolina, *Britt.*

*Distylium racemosum, *Sieb. & Zucc.* Flor. Jap. t. 94. Japan.

Sycopsis sinensis, *Oliver* Hook. Icon. Plant. t. 1931. China.

*Corylopsis himalayana, *Griff.*; Bot. Mag. t. 6779. Himalaya.

*C. pauciflora, *Sieb. & Zucc.* Fl. Jap. i. t. 20. Japan.

C. spicata, *Sieb. & Zucc.*; Bot. Mag. t. 5458. Japan.

Hamamelis arborea, *Masters* Gard. Chron. 1881, xv. 205, f. 38. Japan. "Mansak."

H. japonica, *Hook. f.* Bot Mag. t. 6659.

H. japonica, *Sieb. & Zucc.* Japan.

Var. zuccariniana.

H. zuccariniana, *Hort.*

H. mollis, *Oliver* Hook. Ic. Plant. t. 1742. China.

H. virginica, *L.*; Bot. Mag. t. 6684. Eastern North America. "Witch Hazel."

*Loropetalum chinense, *R. Br.*; Gard. Chron. 1883, xix. 152, f. 23. China, &c.

Disanthus cercidifolia, *Maxim.*; Garden and Forest 1893, 215. Japan.

*Liquidambar formosana, *Hance*; Hook. Icon. Plant. t. 1020. China and Japan.

L. acerifolia, *Maxim.*

L. Maximowiczii, *Miq.*

L. orientalis, *Mill.*: Hook. Icon. Plant. t. 1019. Asia Minor.

L. imberbe, *Ait.*

L. styraciflua, *L.*; Sargent Silva of North America t. 199. United States. "Sweet Gum."

Myrtaceae.

*Eucalyptus coccifera, *Hook. f.* Bot. Mag. t. 4637. Tasmania.

E. Gunnii, *Hook. f.* Flora Tasmaniae t. 27. Tasmania.

E. urnigera, *Hook. f.*: Gard. Chron. 1888, iii. 460, f. 64. Tasmania.

E. whittinghamensis, *Hort.*

*Myrtus communis, *L.* Mediterranean region. "Myrtle."

M. lusitanica, *Willd.*

Var. tarentina, *L.*

M. tarentina, *Mill.*; Laguna, Comision de la Flora Forestal Española t. 9*a*.

*M. Ugni, *Molina.* Chili. "Myrtilla."

Eugenia Ugni, *Hook. & Arn.*; Bot. Mag. t. 4626.

Lythraceae.

Nesaea salicifolia, *H.B.K.*; Reichb. Hort. Bot. t. 166. Tropical America.

Heimia salicifolia, *Link & Otto.*

Var. grandiflora, *Lindl.* Bot. Reg. xxvii. t. 60.

*Punica Granatum, *L.*; Bot. Mag. t. 1832. Persia, &c. "Pomegranate."

Var. nana.

Punica nana, *L.*; Bot. Mag. t. 634.

Onagraceae.

Zauschneria californica, *Presl*; Bot. Mag. t. 4493. California.

Fuchsia corallina, *Hort.* Garden origin.

F. exoniensis, *Hort.*

F. globosa, *Lindl.* Bot. Reg. t. 1556. Mexico.

F. macrostemma, *Ruiz & Pav.* South America.

F. coccinea, Bot. Mag. t. 97 (not *Aiton*).

F. gracilis, *Lindl.*

F. magellanica, *Lam.*

F. virgata, *Sweet.*

F. Riccartoni, *Hort.* Garden origin.

Passifloraceae.

*Passiflora coerulea, *L.*; Bot. Mag. t. 28. Southern Brazil. "Passion Flower."

Umbelliferae.

*Bupleurum fruticosum, *L.*; Wats. Dendr. Brit. i. t. 14. Mediterranean region.

Araliaceae.

Aralia chinensis, *L. var.* **elata,** *Dippel.* China, &c.

A. mandschurica, *Rupr. & Maxim.*

Dimorphanthus elatus, *Miq.* Comment. Phytogr. t. 12.

D. mandschuricus, *Maxim.*

Var. **albo-marginata.**

Var. **canescens.**

A. spinosa canescens, *Hort.*

Var. **pyramidalis,** *Hort.*

A. spinosa, *L.*; Sargent Silva of North America t. 211. Eastern United States. "Hercules' Club, Angelica Tree."

Acanthopanax ricinifolium, *Seem.* China and Japan.

Aralia Maximowiczii, *Van Houtte* Fl. des Serres xx. t. 2067.

A. ricinifolia, *Hort.*

Kalopanax ricinifolium, *Miq.*

Panax ricinifolium, *Sieb. & Zucc.*

A. sessiliflorum, *Seem.* China.

Panax sessiliflorum, *Rupr. & Maxim.*

P. sessilifolium, *C. Koch.*

A. spinosum, *Miq.* China and Japan.

Aralia pentaphylla, *Thumb.*

Panax spinosum, *L.*

Var. **variegatum.**

P. quinquefolium variegatum, *Hort.*

Fatsia horrida, *Benth. & Hook. f.*; Dippel Handbuch der Laubholzkunde iii. 239. North-west America and North-east Asia.

Echinopanax horridus, *Decne. & Planch.*

Oplopanax horridum, *Miq.*

Panax horridum, *Sm.*

F. japonica, *Decne. & Planch.*; Gartenflora 1863, t. 420. Japan.

Aralia japonica, *Thunb.*

A. Sieboldii, *Sieb.*

Var. **variegata.**

Helwingia rusciflora, *Willd.*; Sieb. & Zucc. Fl. Jap. i. t. 86. Japan.

H. japonica, *Morr. & Decne.*

H. ruscifolia, *Steud.*

Eleutherococcus senticosus, *Maxim.*; Gartenflora 1863, t. 393. China.

***Dendropanax japonicum**, *Seem.* China, Japan, and Himalaya.

Hedera japonica, *Jungh.*

Textoria japonica, *Miq.*

Hedera Helix, *L.*; Eng. Bot. ed. 3, t. 633. Europe, North Africa, North Asia. "Ivy."

Var. **algeriensis.**

H. viridis, *Hort.*

Var. **algeriensis variegata.**

Var. **amurensis.**

H. acuta.

Hedera Helix—*cont.*

Var. angularis, *Hibberd.*

Var. angularis foliis aureis.

Var. arborescens.

Var. arborescens foliis argenteis marginatis.

Var. arborescens foliis aureis

Var. atropurpurea.

Var. aurantiaca, *André* Rev. Hort. 1884, 84 (coloured plate).

Var. aurea elegantissima.

Var. aureola.

Var. azorica, *Hort.*; Gard. Mag. October 15, 1887, f. H. ficula.

Var. azorica variegata.

Var. baccifera major.

Var. caenwoodiana.

Var. canariensis. "Irish Ivy."
H. canariensis, *Willd.*
H. grandifolia.
H. hibernica.
H. vegeta.

Var. canariensis arborescens.

Var. canariensis aureo-maculata.

Var. canariensis foliis argenteis.

Var. canariensis nova.

Var. Cavendishi.
H. marginata elegans.
H. marginata minor.

Hedera Helix—*cont.*

Var. **chrysocarpa.**
H. baccifera lutea.

Var. **chrysomela.**
H. spectabilis aurea.

Var. **chrysophylla,** *Hibberd.*
H. digitata aurea.
H. palmata aurea.

Var. **colchica.**
H. caucasica, *Hort.*
H. colchica, *C. Koch.*
H. cordifolia, *Hort.*
H. coriacea, *Hort.*
H. roegneriana, *Hort.*

Var. **colchica arborescens.**

Var. **conglomerata.**

Var. **contracta.**

Var. **corrugata.**

Var. **crenata.**
H. digitata nova.
H. vitifolia.

Var. **Crippsii.**

Var. **cuspidata minor.**

Var. deltoidea.
H. rhomboidea obovata.

Var. dentata.

Var. digitata.
H. palmata.
H. pennsylvanica.

Hedera Helix—*cont.*

Var. digitata nana.

Var. discolor.

H. marmorata elegans.

H. minor marmorata.

H. minor variegata.

Var. donerailensis.

Var. farleyensis.

Var. flavescens.

Var. gigantea.

Var. gracilis.

Var. hallamensis.

Var. heidelbergensis.

Var. heterophylla, *Hibberd.*

Var. himalaica.

H. cinerea, *Hibberd.*

Var. hybrida marginata.

Var. intermedia.

Var. lacteola.

Var. lobata major.

Var. lucida.

H. poetica.

Var. macrodonta.

Var. maculata.

H. latifolia maculata.

H. latimaculata.

*Var. maderensis variegata.

Var. marginata major.

H. argentea major.

Hedera Helix—*cont.*

H. argentea scandens.
H. marginata argentea.
H. marginata elegantissima.
H. marginata grandis.
H. marginata pulchella.

Var. marginata media.

Var. marginata purpurea.

Var. marginata rubra.
H. argentea rubra.
H. elegantissima.

Var. marmorata elegans.

Var. minima, *Hibberd.*
H. donerailensis.

Var. minor.

Var. minor variegata.

Var. netleyensis.

Var. nigra.
H. willsiana.

Var. ovata.

Var. palmata aurea.

Var. pedata.

Var. pustulata.

Var. rhombea (*Sieb. & Zucc.*).
H. japonica argentea.
H. japonica variegata.
H. submarginata, *Hibberd.*

Var. rugosa.

Var. sagittaefolia.

Hedera Helix—*cont.*

Var. spectabilis.

Var. spectabilis aurea.

Var. succinata, *Hibberd.*

Var. sulphurea, *Hibberd.*
H. marginata canescens.

Var. taurica.

Var. tortuosa.
H. Glymii

Var. triloba.

Var. venosa.

Var. walthamensis.

Cornaceae.

Marlea platanifolia, *Sieb. & Zucc.* China and Japan.

*Corokea Cotoneaster, *Raoul.* Nouv. Zel. t. 20. New Zealand.

Cornus alba, *L.* North Asia.
C. tartarica, *Mill.*

Var. Froebeli, *Hort.*

Var. Gouchaulti, *Carr.*

Var. sibirica.
C. sibirica, *Lodd.*

Var. sibirica variegata, *Hort.*

Var. Spaethii, *Wittm.*
C. sibirica Spaethii, *Hort.*
C. Spaethii, *Hort.*

Var. variegata, *Hort.*

C. alternifolia, *L. f.*; Sargent Sylva of North America t. 216. North America.

C. alterna, *Marsh.*

C. Amomum, *Mill.*; Britt. & Br. Illustr. Flora ii. 544, f. North America. "Kinnikinnik."

C. asperifolia, *Hort.* (not *Michx.*).

C. citrina, *Hort.*

C. coerulea, *Lam.*

C. cyanocarpa, *Moench.*

C. lanuginosa, *Michx.*

C. rubiginosa, *Ehrh.*

C. sericea, *L.*; Loud. Arb. et Frut. ii. t. 1013, f. 766.

Var. angustifolia.

Var. grandifolia.

Var. parvifolia.

C. asperifolia, *Michx.*; Britton & Brown Illustr. Flora ii. 544, f. North America.

C. Baileyi, *Coulter & Evans*; Garden and Forest 1890, 465, f. 58. North America.

C. brachypoda, *C. A. Meyer.* Japan.

Var. variegata. Journ. of Hortic. ser. iii. xxviii. 129, f. 20.

C. Bretschneideri, *L. Henry* Le Jardin 1899, 309, f. China.

C. candidissima, *Marsh.*; Britt. & Br. Illustr. Fl. ii. 545. North America.

C. albida, *Ehrh.*

C. fastigiata, *Michx.*

C. femina, *Dippel* (not *Miller*).

C. oblongata, *Hort.*

C. paniculata, *L'Hérit.*

C. stricta, *Lam.*

Var. variegata.

*C. capitata, *Wall.* North India to China.
Benthamia fragifera, *Lindl.*; Bot. Mag. t. 4641.

C. circinata, *L'Hérit.*; Loud. Arb. et Frut. ii. 1014, f. 767. North America.
C. rugosa, *Lam.*
C. tomentosula, *Michx.*
C. verrucosa, *Hort.*

C. florida, *L.*; Sargent Silva of North America tt. 212, 213. Eastern North America. "Flowering Dogwood."
Benthamia florida, *Spach.*

Var. flore rubro.

Var. pendula.

C. glabrata, *Benth.* Western United States.

C. Hessei, *Koehne.* Eastern Asia ?

*C. Kousa, *Buerg.*; Garden, February 25, 1893. Japan.
C. japonica, *Koehne* (not *Thunb.*).
Benthamia japonica, *Sieb. & Zucc.* Fl. Jap. i. t. 16.

C. macrophylla, *Wall.* North India to Japan.
C. brachypoda, *Hort.* (not *Fisch. & Mey.*).
C. crispula, *Hance.*
C. religiana, *Hort.*
C. Thelicanis, *Lebas* Rev. Hort. 1875, 395, f. 64.
C. theleriana, *Hort.*

Var. variegata.

C. Mas, *L.* Europe, &c. "Cornelian Cherry, Cornel."
C. mascula, *L.*; Bot. Mag. t. 2675.

Var. aurea elegantissima, *Hort.*
C. elegantissima, *Hort.*

C. Mas—*cont.*

Var. fructu violaceo.

Var. lanceolata.

Var. nana.

C. pumila, *Hort.*

Var. variegata.

Var. xanthocarpa.

C. Nuttallii, *Audub.*; Sargent Silva of North America tt. 214, 215. Western North America.

C. officinalis, *Sieb. & Zucc.* Fl. Jap. i. t. 50. Japan.

C. pubescens, *Nutt.* Western North America.

C. Purpusi, *Koehne.* Ohio.

C. sanguinea, *L.*; Eng. Bot. ed. 3, t. 635. Europe, North and Western Asia. "Common Dogwood."

Var. candidissima, *Hort.*

Var. viridissima, *Dieck.*

C. stricta, *Hort.* (not *L'Hérit.*).

Var. variegata, *Hort.*

C. stolonifera, *Michx.*; Britton & Brown Illustr. Flora ii. 545 f. North America. "Red-Osier Dogwood."

C. alba, *Wangenh.* (not *L.*).

Var. flaviramea.

C. alba *var.* flaviramea, *Späth.*

C. stricta, *L'Hérit.*; Britton & Brown Illustr. Flora ii. 546 f. South United States.

C. fastigiata, *Michx.*

C. femina, *Mill.*

Aucuba himalaica, *Hook. f. & Thoms.*; Hook. f. Himalay. Plants t. 12. Eastern temperate Himalaya.

A. japonica, *Thunb.*; Bot. Mag. t. 1197. Japan.

Var. Bruantii.

Var. crassifolia.

Var. dentata.

Var. dentata variegata.

Var. fructu albo.

Var. grandis.

Var. latimaculata.

Var. longifolia.

Var. longifolia picta.

Var. macrodonta.

Var. macrophylla.

Var. macrophylla dentata.

Var. macrophylla maculata.

Var. macrophylla picta.

Var. maculata ♂ ♀.

Var. nana rotundifolia.

Var. picta. ♀.

Var. pygmaea.

Var. rotundifolia.

Var. salicifolia.

Var. splendida.

Var. viridis. ♂, ♀.

Garrya elliptica, *Dougl.*; Bot. Reg. t. 1686. California.

*G. flavescens, *S. Wats.* Western North America.

*G. Fremontii, *Torr.*; Gard. Chron. 1881, xv. 431, f. 83. Western North America.

*G. macrophylla, *Benth.* Mexico.

G. Thureti, *Carr.* (Fadyenii × elliptica); Rev. Hort. 1879, 154, ff. 33, 4. Garden origin.

*Griselinia littoralis, *Raoul*; Kirk Forest Flora of New Zealand t. 42. New Zealand.

*G. lucida, *Forst.*; Kirk Forest Flora t. 41. New Zealand. "Kapook."

Var. macrophylla, *Hook. f.*

Nyssa aquatica, *Marsh.*; Sargent Silva of North America t. 220. South United States. "Tupelo Gum."

N. tomentosa, *Michx.*

N. uniflora, *Wangenh.*

N. Ogeche, *Marsh.*; Sargent Silva t. 219. South United States. "Ogeechee Lime; Sour Tupelo."

N. capitata, *Walt.*

N. sylvatica, *Marsh.*; Sargent Silva of North America t. 217. North America. "Tupelo, Pepperidge."

N. multiflora, *Wangenh.*

Davidia involucrata, *Baill.*; Hook. Icon. Plant. t. 1961. Western China.

GAMOPETALAE.

Caprifoliaceae.

Sambucus canadensis, *L.*; Bentl. & Trimen Medicinal Plants t. 138. North America.

S. glauca, *Nutt.*; Sargent Silva of North America t. 222. Western United States.

S. californica, *C. Koch.*

S. semperflorens, *Hort.*

S. melanocarpa, *A. Gray.* Western North America.

S. mexicana, *Presl.* California, Arizona, &c.

S. velutina, *Dur.*

S. plantierensis, *Hort.*

S. nigra, *L.*; Eng. Bot. ed. 3, t. 637. Europe, W. Asia, N. Africa. "Common Elder."

Var. **aureo-marginata.**

Var. **aureo-variegata.**

Var. **flore pleno.**

Var. **foliis aureis.** "Golden Elder."

Var. **fructu albo.**

Var. **heterophylla.**

S. cannabifolia, *Hort.*

Var. **laciniata.**

S. cannabifolia linearis, *Hort.*

S. heterophylla dissecta, *Hort.*

S. laciniata, *Mill.*

Var. **leucocarpa.**

Var. **linearis.**

Var. **lutescens.**

Var. **monstrosa.**

Var. **pendula.**

Var. **pulverulenta.**

Var. **pyramidalis.**

S. nigra—*cont.*

Var. roseo flore pleno.

Var. rotundifolia.

Var. swindonensis.

Var. tricolor.

Var. variegata.

Var. virescens.

S. racemosa, *L.*; Flora Danica t. 2951. Northern Hemisphere. "Red-berried Elder."

S. sieboldiana, *Blume.*

S. Williamsii, *Hance.*

Var. arborescens.

Var. dahurica.

Var. foliis aureis.

Var. laciniata.

S. racemosa ovata.

S. racemosa pteridifolia.

Var. plumosa.

Var. plumosa aurea.

Var. pubescens, *Dippel.*

S. pubens, *Michx.*

S. pubescens, *Pers.*

Var. rosaeflora, *Dippel.*

S. rosaeflora, *Carr.* Rev. Hort. 1869, 434, f.

Var. serratifolia.

S. ornata, *Hort.*

Var. spectabilis.

Var. tenuifolia.

S. thunbergiana, *Blume.* Japan.

Viburnum acerifolium, *L.*; Wats. Dendr. Brit. ii. t. 118. Northern United States. "Dockmackie."

V. bullatum, *Hort.* Origin uncertain.

V. burejaeticum, *Regel. & Herd.*; Gartenflora 1862, 407, t. 384. China.
V. burejanum, *Herd.*

*V. Carlesii, *Hemsley.* Corea.

V. cassinoides, *L.* Northern United States, &c. "Witherod."
V. nudum *var.* cassinoides, *Torr. & Gray.*
V. pyrifolium, *Pursh.*
V. squamatum, *Willd.*: Wats. Dendr. Brit. i. t. 24.

*V. coriaceum, *Blume.* Himalaya, China, &c.
V. cylindraceum, *Ham.*

V. cotinifolium, *D. Don*; Bot. Reg. t. 1650. Himalaya.
V. multratum, *C. Koch.*

V. dentatum, *L.*; Wats. Dendr. Brit. i. t. 25. North America. "Arrow-wood."
V. acuminatum, *Hort.*
V. montanum, *Lodd.*

Var. variegatum.

V. dilatatum, *Thunb.*; Bot. Mag. t. 6215. Japan.
V. Mariesii, *Hort.*

V. erosum, *Thunb.*; Garden and Forest 1896, 85, f. 9. Japan.
V. dilatatum *var.* formosanum, *Maxim.*

V. furcatum, *Blume.* China and Japan.
V. cordifolium, *Hook. f. & Thoms.*
V. lantanoides, *Miq.* (not *Michx.*).

V. hanceanum, *Maxim.* China.

V. tomentosum, *Hance* (not *Thunb.*).

V. Lantana, *L.*; Eng. Bot. ed. 3, t. 640. Europe, N. & W. Asia, N. Africa. "Wayfaring Tree."

V. macrophyllum, *Hort.*

V. tomentosum, *Lam.* (not *Thunb.*).

Var. foliis aureis variegatis.

Var. foliis punctatis.

V. lantanoides, *Michx.*; Garden and Forest 1889, 535, t. 141. North America. "Hobble-bush."

V. alnifolium, *Marsh.*

V. grandifolium, *Sm.*

V. indicum, *Hort.*

V. Lantana *var.* canadense, *Pers.*

V. Lantana *var.* grandifolium, *Ait.*

V. Lentago, *L.*; Sargent Silva of North America v. 96, tt. 223, 224. North America. "Sheep-berry."

V. acuminatum, *Hort.* (not *Wall.*).

V. nitidum, *Hort.*

V. pirifolium, *Hort.* (not *Poir.*).

V. prunifolium, *Hort.* (not *L.*).

V. macrocephalum, *Fortune* Bot. Reg. 1847, t. 43 (sterile form). China.

V. Fortunei, *Hort. gall.*

V. Keteleeri, *Carr.* Rev. Hort. 1863, 270, f. 31 (fertile form).

V. molle, *Michx.* Garden and Forest 1891, 30, f. 8. North America.

V. mexicanum, *Hort. gall.*

V. nudum, *L.*; Bot. Mag. t. 2281. Eastern and Southern United States.

V. anglicum, *Hort.*

V. longifolium, *Hort.*

V. nitidum, *Hort.*

*V. odoratissimum, *Ker-Gawl.* Bot. Reg. t. 456. China.

V. Awafuki, *Hort.*

V. sinensis, *Zeyher.*

V. Opulus, *L.*; Eng. Bot. ed. 3, t. 639. Northern hemisphere. "Guelder Rose."

V. americanum, *Mill.*

V. edule, *Pursh.*

V. lobatum, *Lam.*

V. opuloides, *Muhl.*

V. Opulus *var.* americanum, *Ait.*

V. Opulus *var.* edule, *Michx.*

V. Oxycoccus, *Pursh.*

Var. fructu luteo.

Var. nanum.

Var. roseum Tatteri.

Var. sterile. "Snowball Tree."

V. pauciflorum, *Pylaie*; Garden and Forest 1890, 5, f. 1. North America.

V. phlebotrichum, *Sieb. & Zucc.* Japan.

V. Wrightii, *Miq.*

V. prunifolium, *L.*; Sargent Silva of North America t. 225. North America. "Black Haw."

V. laevigatum, *Hort.*

V. obovatum, *Hort.*

V. pirifolium, *Poir.*

V. punicaefolium, *Hort.*

V. pubescens, *Pursh*; Garden and Forest 1890, 125, f. 26. North America.

V. rhytidophyllum, *Hemsl.* Central China.

V. rufidulum, *Rafin.* Southern United States. "Southern Black Haw."

V. prunifolium *var.* ferrugineum, *Torr. & Gray.*

V. rufotomentosum, *Small*; Britt. & Br. Illustr. Fl. iii. 233, f.

V. Sargenti, *Koehne.* N. China.

V. Sieboldii, *Miq.* Japan.

V. reticulatum, *Hort.*

V. stellulatum, *Wall.* Himalaya.

V. Tinus, *L.*; Bot. Mag. t. 38. Mediterranean region. "Laurustinus."

Var. Froebeli.

Var. hirtum.

Var. lucidum.

Var. purpureum.

Var. pyramidale.

V. tomentosum, *Thunb.* Japan.

V. plicatum, *Sieb. & Zucc.* Fl. Jap. t. 38.

V. plicatum *var.* tomentosum, *Miq.*

Var. plicatum, *Maxim.*

V. plicatum, *Thunb.*; Sieb. & Zucc. Fl. Jap. t. 37.

Var. plicatum grandiflorum.

V. utile, *Hemsl.* Central China.

Symphoricarpus Heyeri, *Dippel.* Western United States.

S. occidentalis *var.* Heyeri, *Dieck.*

S. mollis, *Nutt.* var. ciliatus, (*Nutt.*). California.

S. occidentalis, *R. Br.* Western N. America. "Wolf-berry."

Symphoria occidentalis, *R. Br.*

S. orbiculatus, *Moench.* North America. "Indian Currant; Coral-berry."

S. fructo rubro, *Hort.*

S. glomeratus, *C. Koch.*

S. parviflorus, *Desf.*

S. vulgaris, *Michx.*

Symphoria glomerata, *Pers.*

Var. **variegatus.**

S. oreophilus, *A. Gray.* Western N. America.

S. racemosus, *Michx.* N. America. "Snowberry."

Symphoria racemosa, *Pers.*; Bot. Mag. t. 2211.

S. rotundifolius, *A. Gray* (not *C. Koch*). Western United States.

S. glaucescens, *Hort.*

Abelia chinensis, *R. Br.* China.

A. rupestris, *Hort.* (not *Lindl.*).

A. uniflora, *R. Br.*; Bot. Mag. t. 4694.

Linnaea chinensis, *A. Br. & Vatke.*

L. rupestris, *A. Br. & Vatke.*

Var. **alba.**

***A. floribunda**, *Decne.*; Bot. Mag. t. 4316. Mexico.

***A. serrata**, *Sieb. & Zucc.* Fl. Jap. I, t. 34. Japan.

***A. spathulata**, *Sieb. & Zucc.*; Bot. Mag. t. 6601. Japan.

A. triflora, *R. Br.*; Lindl. & Paxt. Fl. Gard. iii. 93, t. 91. Temperate Himalaya.

Linnaea triflora, *A. Br. & Vatke.*

Linnaea borealis, *L.*; Lodd. Bot. Cab. t. 183. Northern hemisphere. "Twin-flower."

* **Lonicera acuminata**, *Wall.* Temperate Himalaya.

L. alpigena, *L.*; Jacquin Flora Austriaca iii. t. 274. European Alps, Himalaya.

Caprifolium alpigenum, *Gaertn.*

C. alpinum, *Lam.*

Chamaecerasus alpigenus, *Medic.*

Isika alpigena, *Borkh.*

I. lucida, *Moench.*

Xylosteum alpinum, *Dum.*

Var. **nana**.

L. Altmannii, *Regel & Schmalh.* Turkestan.

L. Amherstii, *Dippel.* Himalaya.

L. angustifolia, *Wall.*; Journ. Hort. Soc. Lond. 1848, iii. 238, f. Temperate Himalaya.

L. bella, *Zabel.* (Morrowi × tatarica). Garden origin.

L. Morrowi *var.* rosea, *Dippel.*

L. Browni, *Carr.* Garden origin.

L. sempervirens *var.* Browni, *Hort.* (probably a hybrid between Sullivanti or glauca and sempervirens).

L. caerulea, *L.*; Bot. Mag. t. 1965. Northern hemisphere.

Caprifolium caeruleum, *Lam.*

Xylosteum caeruleum, *Dum.-Cours.*

Var. **glabriuscula**.

Var. **graciliflora**, *Dippel.*

L. Karelini, *Hort.* (not *Bunge*).

Var. **viridifolia**, *Dippel.*

L. Kirilowi, *Hort.*

L. Caprifolium, *L.*; Eng. Bot. ed. 3, t. 641. Central and S. Europe, W. Asia.

L. americana, *C. Koch.*

L. ciliosa, *Hort.* (not *Poir.*).

L. grata, *Soland.*

L. pallida, *Host.*

Caprifolium gratum, *Pursh.*

C. hortense, *Lam.*

C. perfoliatum, *Roehl.*

L. chrysantha, *Turcz.*; Gartenflora 1863, t. 404. Amurland, &c.

L. gibbiflora, *Maxim.* (not *Dippel*).

L. Xylosteum *var.* chrysantha, *Regel.*

Xylosteum gibbiflorum, *Rupr. & Maxim.*

L. ciliata, *Muhl.*; Britt. & Br. Ill. Flora iii. 241, f. Eastern United States. "Fly Honeysuckle."

L. canadensis, *Muhl.*

Xylosteum ciliatum, *Pursh.*

L. ciliosa, *Poir.* Western North America.

L. occidentalis, *Hook.*

Caprifolium ciliosum, *Pursh.*

C. occidentale, *Lindl.* Bot. Reg. t. 1457.

L. coerulescens, *Dippel* Laubholzk. i. 233, f. 149. Garden origin.

L. tatarica × Xylosteum.

L. conjugalis, *Kellogg.* Western North America.

L. depressa, *Royle.* Alpine Himalaya.

L. parvifolia, *Edgew.*

Var. **Myrtillus.**

L. Myrtillus, *Hook. f. & Thoms.*

L. dioica, *L.*; Bot. Reg. t. 138. North America.

L. glauca, *Hill.*

L. macrophylla, *Hort.*

L. media, *Murr.*

L. parviflora, *Lam.*

Caprifolium bracteatum, *Michx.*

C. dioicum, *Roem. & Schultz.*

C. glaucum, *Moench.*

C. parviflorum, *Pursh.*

*L. etrusca, *Santi*; Reichb. Fl. Germ. xvii. t. 1172. South Europe, &c.

L. atrosanguinea, *Hort.*

L. gigantea, *Hort.*

Caprifolium etruscum, *Roem. & Schultz.*

C. giganteum, *Hort.*

Var. superba.

L. gigantea superba, *Hort*

Var. viscidula, *Boiss.* Asia Minor.

L. flava, *Sims* Bot. Mag. t. 1318; Garden and Forest 1890, 190, f. 31. South Carolina.

Caprifolium flavum, *Ell.*

C. Fraseri, *Pursh.*

L. fragrantissima, *Lindl. & Paxt.* Fl. Gard. iii. 75, f. 268. China.

L. candidissima, *Hort.*

L. caprifolioides, *C. Koch.*

L. Niaguarilli, *Hort.*

L. odoratissima, *Hort.*

L. volgarensis, *Hort.*

Chamaecerasus Niaguarilli, *Hort.*

L. gibbiflora, *Dippel* Laubholzk. i. 237, f. 151. (chrysantha × ruprechtiana). Mandshuria.

L. glabrata, *Wall.* Himalaya.

L. gracilipes, *Miq.* Japan.

L. Philomelae, *Hort.*

L. Heckrotti, *Hort.* (probably hybrid between *sempervirens* and some European species). Garden origin.

L. hirsuta, *Eaton*; Bot. Mag. t. 3103. N. America.

L. Douglasii, *Hort.* (not *DC.*).

L. pilosa, *Hort.*

L. pubescens, *Sweet.*

L. villosa, *Muhl.*

Caprifolium Douglasii, *Lindl.*

C. pilosum, *Hort.*

C. pubescens, *Goldie.*

L. hispida, *Pall.* Central Asia, Siberia, &c.

L. bracteata, *Royle.*

L. hispidula, *Dougl.* Bot. Reg. t. 1761. Western North America.

L. iberica, *Bieb.* Caucasus.

L. chlamydophora, *C. Koch.*

L. ciliaris, *Hort.*

Xylosteum ibericum, *Bieb.*

L. implexa, *Soland.*; Bot. Mag. t. 640. South Europe.

L. balearica, *DC.*

Caprifolium balearicum, *Dum.-Cours.*

L. involucrata, *Banks*; Bot. Reg. t. 1179. N.W. America.

L. bordwelliana, *Hort.*

L. flavescens, *Dippel.*

L. gibbosa, *Hort.*

L. intermedia, *Kellogg.*

L. Ledebourii, *Eschsch.*

L. moçiniana, *DC.*

Xylosteum involucratum, *Rich.*

Var. **humilis.**

L. italica, *Schmidt.* (Caprifolium × etrusca ?) Garden origin.

L. Caprifolium, *Hort.* (not *L.*).

L. etrusca, *Hort.* (not *Santi*).

Caprifolium magnevillea, *Hort.*

L. Magnevillea, *Hort.*

L. occidentalis, *Hort.*

L. japonica, *Thunb.* China and Japan.

Var. aureo-reticulata.

L. brachypoda *var.* reticulata, Belg. Hort. 1871, 59, t. 5.

L. brachypoda *var.* foliis aureo-reticulatis. Ill. Hort. 1862, t. 337.

Var. chinensis, *Baker.*

L. chinensis, *Wats.* Dendr. Brit. ii. t. 117.

Var. flexuosa.

L. brachypoda, *DC.*

L. flexuosa, *Thunb.*; Bot. Reg. t. 712.

Var. halliana; American Gardening xii. 663.

L. flexuosa *var.* halleana, *Dippel.*

L. halleana, *Hort.*

Caprifolium hallianum, *Hort.*

C. japonicum *var.* Halli, *Hort.*

L. Karelini, *Bunge.* Central Asia.

L. Kesselringi, *Regel* Gartenflora 1891, 124. Kamtchatka.

L. orientalis *var.* kamtschatica, *Hort.*

L. savranica, *Hort.*

L. Korolkowii, *Stapf* Garden and Forest 1894, 34, f. 4. Turkestan.

L. floribunda, *Zabel* (not *Boiss. & Buhse*); Wittmack Gartenflora 1893, 103, f.

L. longiflora, *DC.* China.

Caprifolium longiflorum, *Lindl.* Bot. Reg. t. 1232.

L. Maacki, *Herd.*; Gartenflora t. 1162. Mandshuria, &c.

Xylosteum Maackii, *Rupr.*

L. Maximowiczii, *Maxim.*; Gartenflora t. 597. Amurland, &c.

Xylosteum Maximowiczii, *Rupr.*

L. microphylla, *Willd.*; Ledeb. Icon. Pl. Fl. Ross. t. 213. Altai to Kashmir.

L. bungeana, *Ledeb.*

L. sieversiana, *Bunge.*

L. minutiflora, *Zabel.* (micrantha × Xylosteum). Garden origin.

L. Morrowi, *A. Gray*; American Gardening xi. 1267. Japan.

L. Mouraviae, *Hort.*

L. mündeniensis, *Rehder* (bella × gibbiflora), Gartenflora 1893, 101. Garden origin.

L. muscaviensis, *Rehder* (Morrowi × ruprechtiana). Gartenflora 1893, 101.

L. nervosa, *Maxim.* China.

L. nigra, *L.*; Jacq. Fl. Austriaca t. 314. European Alps, &c.

L. altaica, *Hort.* (not *Pall.*).

Chamaecerasus nigra, *Med.*

Xylosteum nigrum, *Mill.*

L. notha grandiflora, *Zabel.* Garden origin.

L. nummulariaefolia, *Jaub. & Spach.* Orient.

L. Xylosteum, *Sibth. & Sm.* Fl. Graeca t. 223 (not *L.*).

L. oblongifolia, *Hook.*; Britt. & Br. Illustr. Fl. iii., 240, f. Canada and North United States.

L. obovata, *Royle.* Temperate Himalaya.

L. orientalis, *Lam.*; Gartenflora t. 359. Orient.

L. caucasica, *Bieb.*

L. discolor, *Hort.*

L. goveniana, *Wall.*

L. occidentalis, *Hort.* (not *Hook.*).

L. schmitziana, *Dippel.*

L. Periclymenum, *L.*; Eng. Bot. ed. 3, t. 642. Europe, &c. "Woodbine; Honeysuckle."

Caprifolium Periclymenum, *Roem. & Schultz.*

C. sylvaticum, *Lam.*

Periclymenum germanicum, *Mill.*

Var. belgica.

Var. quercifolia.

L. verna variegata, *Hort.*

Caprifolium quercifolium, *Hort.*

Var. serotina.

L. serotina, *Hort.*

L. pileata, *Oliver* Hook. Icon. Plant. t. 1585. Central China.

L. plantierensis, *E. André* Ill. Hort. xviii. t. 86. Garden origin.

L. ciliosa *var.* plantierensis, *Dippel.*

(Probably a hybrid of *sempervirens* with *Sullivanti* or *glauca.*)

L. purpurascens, *Walp.* Subalpine Himalaya.

L. sericea, *Royle.*

Xylosteum purpurascens, *Jacquem.* Voy. Bot. 79, t. 87.

L. pyrenaica, *L.*; Bot. Mag. t. 7774. Pyrenees.
Caprifolium pyrenaicum, *Lam.*

L. quinquelocularis, *Hardw.* Temperate Himalaya.
L. diversifolia, *Wall.*; Bot. Reg. xxx. t. 33.

L. regeliana, *Petz. & Kirchn.*; Dippel Laubholzk. i. 220, f. 140. Amurland.
L. chrysantha × Xylosteum, *Rehder.*

L. rupicola, *Hook. f. & Thoms.* Himalaya.

L. ruprechtiana, *Regel.* Gartenflora 1870, 68, t. 645. Mandshuria, &c.

L. salicifolia, *Zabel.* (micrantha × ruprechtiana). Garden origin.
L. ruprechtiana *var.* salicifolia, *Dippel.*

L. segreziensis, *Lavallée.* Origin uncertain.
L. diversifolia, *Hort.* (not *Wall.*).
L. hispida, *Hort.* (not *Pall.*).
L. quinquelocularis × Xylosteum ?

***L. sempervirens**, *L.*; Bot. Mag. t. 781. South United States. "Trumpet Honeysuckle."
L. caroliniana, *Marsh.*
L. fuchsioides, *Hort.* (not *Hemsl.*).
L. virginiana, *Marsh.*
Caprifolium sempervirens, *Michx.*
Periclymenum sempervirens, *Mill.*

Var. **minor**. Bot. Mag. t. 1753.

L. spinosa, *Jacquem.* Eastern Turkestan, &c.
L. Alberti, *Regel*; Bot. Mag. t. 7394.
Xylosteum spinosum, *Decne.*

L. Standishii, *Hook.* Bot. Mag. t. 5709. China.

L. fragrantissima, *Carr.* (not *Paxt.*).

L. odoratissima, *Hort.*

L. sinensis, *Hort.*

Chamaecerasus Standishii, *Lesc.*

L. Sullivantii, *A. Gray*; Garden and Forest 1890, 191, f. 32. North-Eastern United States.

L. flava, *Hort.* Rev. Hortic. 1856, 221 t. (not *Sims*).

L. syringantha, *Maxim.*; Gartenflora 1892, 564, ff. 115, 116. China.

L. tangutica, *Maxim.*; Gartenflora 1891, 580, ff. 104, 105. China.

L. tatarica, *L.*; Bot. Reg. t. 31. Siberia, &c.

Chamaecerasus tatarica, *Medic.*

Xylosteum cordatum, *Moench.*

X. tataricum, *Medic.*

Var. nana.

Var. pulcherrima.

Var. punicea.

L. punicea, *Sims* Bot. Mag. t. 2469.

Var. speciosa, *Carr.* Rev. Hortic. 1868, 392, t.

var. splendens, *Regel.*

L. thibetica, *Bur. & Franch.* Tibet.

L. tomentella, *Hook. f. & Thoms.*: Bot. Mag. t. 6486. Temperate Himalaya.

L. tragophylla, *Hemsl.* Central China.

L. translucens, *Carr.* Origin uncertain.

L. Xylosteum, *L.*; Eng. Bot. ed. 3, t. 643. Europe, Northern Asia.

L. dumetorum, *Moench.*

L. vulgare, *Roehl.*

L. xylosteoides, *Tausch.*

Caprifolium dumetorum, *Pers.*

Chamaecerasus Xylosteum, *Medic.*

Leycesteria formosa, *Wall.*; Bot. Mag. t. 3699. Temperate Himalaya.

L. nepalensis, *Hort.*

Var. **variegata.**

Diervilla floribunda, *Sieb. & Zucc.* Fl. Jap. t. 32. Japan.

D. multiflora, *Lemaire.*

Var. **Lavallei**, *Hort.*

Var. **Lowei**, *Hort.*

Var. **versicolor**, *Rehder.*

D. versicolor, *Sieb. & Zucc.* Fl. Jap. t. 33.

D. florida, *Sieb. & Zucc.* China.

D. rosea, *Walp.*

Weigela amabilis, *Hort.*

W. rosea, *Lindl.*; Bot. Mag. t. 4396.

Var. **candida.**

Var. **variegata.**

D. grandiflora, *Sieb. & Zucc.* Fl. Jap. t. 31. Japan.

D. coraeensis, *DC.*

D. amabilis, *Carr.*; Flore des Serres t. 855.

D. hybrida, *Hort.* (This has been proposed as a collective name for the hybrids of the above-mentioned species, which are more common in cultivation than the species themselves.)

D. japonica, *DC.* Japan.

Weigela japonica, *Thunb.*

Var. **hortensis**, *Rehder.*

D. hortensis, *Sieb. & Zucc.* Fl. Jap. 1. 70, t. 29. Japan.

Var. **Looymansi aurea.**

D. Lonicera, *Mill.* North America.

D. canadensis, *Willd.*

D. humilis, *Pers.*; Bot. Mag. t. 1796.

D. lutea, *Pursh.*

D. Tournefortii, *Michx.*

D. trifida, *Moench.*

D. middendorfiana, *Carr.* Siberia, &c.

Calyptrostigma middendorfianum, *Trautv. & Mey.*; Gartenflora 1857, 347, t. 183.

Weigela middendorfiana, *Hort.*

D. praecox, *Lemoine*; Gartenflora 1897, t. 1441. Japan.

D. sessilifolia, *Buckl.*; Lavallée Arbor. Segrez. Ic. 25, t. 8. Carolina and Tennessee.

Var. **splendens.**

D. splendens, *Carr.*

Rubiaceae.

Cephalanthus occidentalis, *L.*; Rev. Hort. 1889, 280, f. 70. North America. "Button-bush."

Coprosma acerosa, *A. Cunn.* New Zealand.

Var. **prostrata.**

Compositae.

*Aplopappus ericoides, *DC.*; Gard. Chron. 1896, xx. 301, f. 57. California.
Diplopappus ericoides, *Less.*
Ericameria microphylla, *Nutt.*
Haplopappus ericoides, *Benth. & Hook. f.*

Bigelovia Douglasii, *A. Gray.* Western North America.
B. viscidiflora, *DC.*
Brickellia linearifolia, *Klatt.*
Chrysothamnus pumilus, *Nutt.*
C. viscidiflorus, *Nutt.*
Linosyris viscidiflora, *Torr. & Gray.*

Var. **tortifolia**, *A. Gray.*
Linosyris lanceolata, *Hook.*

B. graveolens, *A. Gray.* Western North America.
B. dracunculoides, *DC.*
Chrysocoma dracunculoides, *Pursh* (not *Lam.*).
C. graveolens, *Nutt.*
Chrysothamnus dracunculoides, *Nutt.*
C. speciosus, *Nutt.*
Linosyris graveolens, *Torr. & Gray.*

Olearia Haastii, *Hook. f.*; Bot. Mag. t. 6592. New Zealand.

*O. macrodonta, *Baker* Bot. Mag. t. 7065. New Zealand.
O. dentata, *Hook. f.*

*O. stellulata, *DC.* Australia.
O. gunniana, *Hook. f.* Bot. Mag. t. 4638.
Eurybia gunniana, *DC.*

*O. Traversii, *F. Muell.*; Gard. Chron. 1887, ii. 187, f. 42. New Zealand.

Eurybia Traversii, *F. Muell.*

Microglossa albescens, *C. B. Clarke*; Bot. Mag. t. 6672. Himalaya.

M. cabulica, *C. B. Clarke.*

Amphiraphis albescens, *DC.*

Aster albescens, *Walp.*

A. cabulicus, *Lindl.*

Baccharis halimifolia, *L.*; Dippel Laubholzk. i. 294, f. 195. N. America. "Groundsel Tree."

B. patagonica, *Hook. & Arn.* Magellanic region.

B. salicina, *Torr. & Gray.* Colorado to Texas.

B. salicifolia, *Nutt.*

*Helichrysum antennarium, *F. Muell.* Australia.

Swammerdamia Antennaria, *DC.*

*H. glomeratum, *Nichols.* New Zealand.

Ozothamnus glomeratus, *Hook. f.*

Swammerdamia glomerata, *Raoul.*

*H. rosmarinifolium, *DC.* Victoria and Tasmania. "Snow in Summer."

Ozothamnus rosmarinifolius, *DC.*

H. serotinum, *Boiss.* South-Western Europe.

Cassinia fulvida, *Hook. f.*; Gartenflora, 1890, 241, f. 56. New Zealand.

Diplopappus chrysophyllus, *Hort.*

*C. leptophylla, *Hort.* New Zealand.

Calea leptophylla, *Forst.*

*C. Vauvilliersii, *Hook. f.* New Zealand.

Diplopappus Vauvilliersii, *Hort.*

Ozothamnus Vauvilliersii, *Homb. Jacq. & Mont.* Voyage de l'Astrolabe t. 55.

Iva frutescens, *L.*; Britt. & Br. Illustr. Fl. iii. 292, f. Massachusetts to Florida, &c. "Marsh Elder."

Santolina Chamaecyparissus, *L.* South Europe. "Lavender Cotton."

S. incana, *Lam.*

S. rosmarinifolia, *L.* Spain and Portugal.

S. pectinata, *Lag.*

S. viridis, *Willd.* South Europe.

S. virens, *Mill.*

Artemisia Abrotanum, *L.* South Europe. "Southernwood."

A. arborescens, *L.* South Europe.

A. austriaca, *Jacq.* Eastern Europe, &c.

A. procera, *Willd.* South-East Europe, Asia Minor. "Sagebush."

A. tridentata, *Nutt.* Western United States.

*Senecio laxifolius, *J. Buch.*; Bot. Mag. t. 7378. New Zealand.

S. Grayii, *Hort.*

S. latifolius, *Hort.* (not *Banks & Soland.*). Gard. Chron. 1894, xvi. 315, f. 43.

Vacciniaceae.

Gaylussacia brachycera, *Torr. & Gray*; Pennsylvania to Virginia. "Box Huckleberry."

Adnaria brachycera, *O. Kuntze.*

Vaccinium brachycerum, *Michx.*

V. buxifolium, *Salisb.*; Bot. Mag. t. 968.

G. dumosa, *Torr. & Gray*; Newfoundland and Eastern United States. "Dwarf Huckleberry."

Vaccinium dumosum, *Andr.* Bot. Rep. t. 112; Bot. Mag. t. 1106.

V. frondosum, *Michx.* (not *L.*).

G. frondosa, *Torr. & Gray*; Gard. Chron. 1890, vii. 580, f. 93. Eastern United States. "Blue Tangle; Dangleberry."

Vaccinium frondosum, *L.*; Andr. Bot. Rep. t. 140.

V. glaucum, *Michx.*

V. venustum, *Ait.*

G. resinosa, *Torr. & Gray.* North America. "Black Huckleberry."

Vaccinium parviflorum, *Andr.* Bot. Rep. t. 125.

V. resinosum, *Ait.*; Bot. Mag. t. 1288.

G. ursina, *Torr. & Gray.* Mountains of North and South Carolina.

Vaccinium ursinum, *M. A. Curt.*

Vaccinium arboreum, *Marsh.*; Lodd. Bot. Cab. t. 1885; Sargent Silva of North America v. 119, t. 230. Florida and Texas to North Carolina and South Illinois. "Farkle-berry."

V. diffusum, *Ait.*; Bot. Mag. t. 1607.

V. Arctostaphylos, *L.*; Bot. Mag. t. 974. Caucasus, &c.

V. canadense, *Kalm* ; Bot. Mag. t. 3446. North America. "Canadian Whortleberry."

V. album, *Lam.* (not *L.*).

V. ciliatum, *Thunb.* Japan.

V. corymbosum, *L.* ; Bot. Mag. t. 3433. North America. "Common Blueberry ; Swamp Blueberry."

V. disomorphum, *Michx.*

V. marianum, *Wats.* Dendr. Brit. t. 124.

Var. amoenum, *A. Gray.*

V. amoenum, *Ait.* ; Andr. Bot. Rep. t. 138.

Var. fuscatum, *A. Gray* ; Southern United States.

V. fuscatum, *Ait.*

V. crassifolium, *Andr.* Bot. Rep. t. 105 ; Bot. Mag. t. 1152. North Carolina to Georgia.

V. carnosum, *Pers.*

V. myrtifolium, *Michx.*

V. erythrocarpum, *Michx.* ; Bot. Mag. t. 7413. Virginia to Georgia.

Oxycoccus erectus, *Pursh.*

O. erythrocarpus, *Pers.*

*V. glauco-album, *Hook. f.* Himalaya.

V. hirsutum, *Buckl.* ; Garden and Forest 1889, 365, f. 119. Mountains of North Carolina.

V. intermedium, *Ruthe* (Myrtillus × Vitis-Idaea) : Journ. Linn. Soc. xxiv. 125, t. 3. Europe.

V. japonicum, *Miq.* Japan.

*V. Mortinia, *Benth.* ; Bot. Mag. t. 6872. Andes of Ecuador.

*V. Myrsinites, *Lam.* South United States.

V. Sprengelii, *Hort.* (not *Wall.*).

V. nitidum *var.* decumbens, *Sims* Bot. Mag. t. 1550.

V. Myrtillus, *L.*; Eng. Bot. ed. 3, t. 879. Northern hemisphere. "Whortleberry; Bilberry; Blaeberry."

Var. fructu albo.

V. occidentale, *A. Gray.* Mountains of California and Utah.

V. ovatum, *Pursh*; Bot. Mag. t. 4732. Vancouver's Island to Monterey, &c.

V. prunifolium, *Hort.*

V. padifolium, *Sm.*; Bot. Mag. t. 7305. Madeira.

V. Arctostaphylos *var.* padifolium, *Loud.*

V. maderense, *Link.*

V. parvifolium, *Sm.*; Hook. Fl. Bor. Am. t. 128. North California to Alaska and the Aleutian Islands. "Dwarf Blueberry."

V. pensylvanicum, *Lam.*; Bot. Mag. t. 3434. North America.

V. humile, *Willd.*

V. myrtilloides, *Michx.* (not *Hook.*).

V. ramulosum, *Willd.*

V. tenellum, *Pursh.*

Var. angustifolium, *A. Gray.*

V. angustifolium, *Ait.*

V. salicinum, *Aschers.*

V. stamineum, *L.*; Andr. Bot. Rep. t. 263. Maine and Michigan to Florida and Louisiana. "Deerberry."

V. album, *Pursh* (not *L.*).

V. elevatum, *Soland.*

V. uliginosum, *L.*; Eng. Bot. ed. 3, t. 878. Northern hemisphere.

V. gaultherioides, *Bigel.*

V. pubescens, *Wormsk.*

V. vacillans, *Soland.* New England to North Carolina and Missouri.

V. Vitis-idaea, *L.*; Eng. Bot. ed. 3, t. 877. Northern hemisphere. "Cowberry."

V. punctatum, *Lam.*

Vitis-Idaea punctata, *Moench.*

Var. **major**, *Lodd.* Bot. Cab. t. 616.

Var. **minor**.

Oxycoccus macrocarpus, *Pers.* North America. "American Cranberry."

Vaccinium macrocarpon, *Ait.*; Bot. Mag. t. 2586.

V. Oxycoccus *var.* oblongifolium, *Michx.*

O. palustris, *Pers.* Northern hemisphere. "Cranberry."

O. vulgaris, *Pursh.*

Vaccinium Oxycoccus, *L.*; Eng. Bot. ed. 3, t. 876.

Chiogenes serpyllifolia, *Salisb.*; Britt. & Br. Illustr. Fl. ii. 581, f. North America. "Creeping Snowberry."

C. hispidula, *Torr. & Gray.*

Gaultheria hispidula, *Muhl.*

G. serpyllifolia, *Pursh.*

Oxycoccus hispidulus, *Pers.*

Vaccinium hispidulum, *L.*

Ericaceae.

Arbutus Andrachne, *L.*; Bot. Mag. t. 2024. Levant, &c.

A. integrifolia, *Lam.*

A. Sieberi, *Klotzsch.*

A. hybrida, *Ker.-Gawl.* Bot. Reg. t. 619. (Andrachne × Unedo). Garden origin.

A. Andrachne *var.* serratifolia, *Hort.*

A. andrachnoides, *Link.*

A. magnifica, *Hort.*

A Milleri, *Hort.*

A. photiniaefolia, *Hort.*

A. Rollissoni, *Hort.*

A. serratifolia, *Lodd.*

A. Menziesii, *Pursh*; Sargent Silva of North America t. 231. California, &c. "Madroño."

A. procera, *Dougl.*; Bot. Reg. t. 1753.

A. Andrachne, *Hort.* (not *L.*).

A. Unedo, *L.*; Gard. Chron. 1878, x. 689, f. 115. Southern Europe (Ireland). "Strawberry Tree."

Unedo edulis, *Hoffmgg. & Link.*

Var. **compacta.**

Var. **integerrima**, *Sims* Bot. Mag. t. 2319.

A. rotundifolia, *Hort.*

Var. **microphylla.**

A. microphylla, *Hort.*

Var. **quercifolia.**

Var. **rubra**, *Ait.*

A. Croomii, *Hort.*

Arctostaphylos alpina, *Spreng.*: Eng. Bot. ed. 3, t. 880. Northern hemisphere.

Arbutus alpina, *L.*

A. diversifolia, *Parry.* California.

A. pungens, *H.B.K.* California.

A. Hookeri, *G. Don.*

Arbutus pungens, *Hook. & Arn.*

*A. tomentosa, *Lindl.* Bot. Reg. t. 1791. California, &c. "Manzanita."

Arbutus tomentosa, *Pursh.*

A. Uva-ursi, *Spreng.*; Eng. Bot. ed. 3, t. 881. Northern hemisphere. "Bearberry."

A. officinalis, *Wimm. & Grab.*

Arbutus Uva-ursi, *L.*

Pernettya arctica, *Hort.*

Var. californica.

A. californica, *Hort.*

*A. viscida, *Parry.* Pacific coast of N. America.

Pernettya mucronata, *Gaudich.* Magellanic region.

P. angustifolia, *Hort.*

P. Cummingi, *Hort.*

P. Drummondi, *Hort.*

P. speciosa, *Hort.*

Arbutus mucronata, *L.*; Bot. Mag. t. 3093.

Many garden varieties.

P. rupicola, *Philippi*; Koehne Dendrologie 470, f. 75. Chili.

Gaultheria antipoda, *Forst.* Tasmania and New Zealand.

*G. nummularioides, *D. Don*; Gard. Chron. 1884, xxii. 457, f 84. Himalaya, &c.

G. Nummulariae, *DC.*

G. procumbens, *L.*; Bot. Mag. t. 1966. North America. "Creeping Wintergreen."

Gautiera procumbens, *Torr.*

G. pyrolaefolia, *Hook. f.* Himalaya.
G. pyroloides, *Hook. f. & Thoms.*

G. Shallon, *Pursh.*; Bot. Mag. t. 2843. Western North America. "Shallon; Salal."

Cassandra calyculata, *D. Don.* Northern hemisphere. "Leather-leaf."
Andromeda calyculata, *L.*; Bot. Reg. t. 1286.
Chamaedaphne calyculata, *Moench.*
Lyonia calyculata, *Reichb.*
Var. **latifolia.**
Var. **nana.**

Cassiope fastigiata, *D. Don*; Bot. Mag. t. 4796. Alpine Himalaya.
Andromeda fastigiata, *Wall.*

C. hypnoides, *D. Don.* Arctic regions of northern hemisphere.
Andromeda hypnoides, *L.*; Bot. Mag. t. 2936.

C. tetragona, *D. Don.* Arctic regions of northern hemisphere.
Andromeda tetragona, *L.*; Bot. Mag. t. 3181.

Leucothoe axillaris, *D. Don.* South-eastern United States.
Andromeda axillaris, *Lam.*; Bot. Mag. t. 2357.

L. Catesbaei, *A. Gray.* Virginia to Georgia.
L. spinulosa, *D. Don.*
Andromeda angustata, *Hort.*
A. axillaris, *Michx.*
A. Catesbaei, *Wall.*; Bot. Mag. t. 1955.
A. spinulosa, *Pursh.*

L. Davisiae, *Torr.*; Bot. Mag. t. 6247. California.
L. Lobbi, *Hort.*

L. racemosa, *A. Gray.* North America.
L. spicata, *G. Don.*
Andromeda paniculata, *L.*
A. racemosa, *L.*
A. spicata, *Wats.* Dendr. Brit. t. 36.
A. tomentosa, *Dum.-Cours.*
Lyonia racemosa, *G. Don.*

L. recurva, *A. Gray.* Virginia to Alabama.
Andromeda recurva, *Buckl.*

Oxydendron arboreum, *DC.*; Sargent Silva of North America t. 235. North America. "Sorrel Tree; Sourwood."
Andromeda arborea, *L.*; Bot. Mag. t. 905.
Lyonia arborea, *D. Don.*

Epigaea repens, *L.*; Andr. Bot. Rep. t. 102. North America.

Lyonia ligustrina, *DC.* North America.
L. capreaefolia, *Wats.* Dendr. Brit. t. 37.
L. multiflora, *Wats.* Dendr. Brit. 128.
L. paniculata, *Nutt.*
L. parabolica, *C. Koch.*
L. salicifolia, *Wats.* Dendr. Brit. 127.
Andromeda ligustrina, *Muhl.*
A. parabolica, *Duham.*
A. tomentosa, *Hort.*
Xolisma ligustrina, *Britt. & Br.* Illustr. Fl. ii. 570, f.

Var. pubescens, *A. Gray.*

Zenobia speciosa, *D. Don.* Florida to North Carolina.

Andromeda cassinefolia, *Sims.*; Bot. Mag. t. 970.

A. nitida, *Hort.*

A. nuda, *Hort.*

A. speciosa, *Michx.*

A. viridis, *Hort.*

Var. pulverulenta. Gard. Chron. 1890, viii. 612, f. 100.

A. dealbata, *Lindl.* Bot. Reg. t. 1010.

A. pulverulenta, *Bartr.*

A. speciosa *var.* glauca, *Wats.* Dendr. Brit. t. 126.

Lyonia pulverulenta, *C. Koch.*

Var. quercifolia, *Hort.*

Andromeda polifolia, *L.*; Eng. Bot. ed. 3, t. 883. Northern and Arctic regions.

A. glaucophylla, *Link.*

A. rosmarinifolia, *Pursh.*

Rhododendron polifolium, *Scop.*

Var. angustifolia.

Var. major.

Pieris floribunda, *Benth. & Hook. f.* Virginia to Georgia.

Andromeda floribunda, *Pursh*; Bot. Mag. t. 1566; Bot. Reg. t. 807.

Leucothoe floribunda, *D. Don.*

Portuna floribunda, *Nutt.*

Zenobia floribunda, *DC.*

*P. formosa, *D. Don*; Gard. Chron. 1881, xv. 568, f. 107. Temperate Himalaya, China.

Andromeda formosa, *Wall.*

P. japonica, *D. Don* ; Gard. Chron. 1882, xvii. 796, f. 120. Japan.

Andromeda japonica, *Thunb.* ; Fl. Jap. 181, t. 22.

Var. variegata.

P. mariana, *Benth. & Hook. f.* Rhode Island to Florida, &c. "Stagger-Bush."

Andromeda mariana, *L.* ; Bot. Mag. t. 1579.

A. pulchella, *Salisb.*

Leucothoe mariana, *DC.*

Lyonia mariana, *D. Don.*

P. nitida, *Benth. & Hook. f.* North Carolina to Florida and Louisiana.

Andromeda coriacea, *Ait.* ; Bot. Mag. t. 1095.

A. lucida, *Lam.* (not *Jacq.*).

A. marginata, *Duham.*

A. mariana, *Jacq.* (not *L.*).

A. myrtifolia, *Salisb.*

A. nitida, *Bartr.*

Leucothoe coriacea, *DC.*

Lyonia marginata, *D. Don.*

P. ovalifolia, *D. Don.* Temperate Himalaya.

Andromeda ovalifolia, *Wall.* ; Loud. Arbor. Brit. 570, f. 1070.

Enkianthus campanulatus, *Nichols.* : Bot. Mag. t. 7059. Japan.

Andromeda campanulata, *Miq.*

E. cernuus, *Benth. & Hook. f.* Japan.

Andromeda cernua, *Miq.*

Meisteria cernua, *Sieb. & Zucc.*

E. himalaicus, *Hook. f. & Thoms.* ; Bot. Mag. t. 6460. Himalaya, China.

E. japonicus, *Hook. f.* Bot. Mag. t. 5822. Japan.

Calluna vulgaris, *Salisb.*; Eng. Bot. ed. 3, t. 894. Europe, &c. "Ling."

Erica vulgaris, *L.*

Var. alba.

Var. alba aurea.

Var. alba minor.

Var. alba pilosa.

Var. alba pumila.

Var. alba rigida.

Var. alba Serlei.

Var. alba tenella.

Var. Alporti.

Var. argentea.

Var. aurea.

Var. cuprea.

Var. flore pleno.

Var. Foxii.

Var. Hammondi.

Var. hypnoides.

Var. lanulosa.

Var. minima.

Var. pygmaea.

Var. rosea.

Var. rubra.

Var. tenuis.

*Erica arborea, *L.*; Moggridge Flora of Mentone t. 59 b. Mediterranean and Caucasus.

Var. alpina, *Dieck.*

*E. australis, *L.* Portugal, &c.

E. carnea, *L.*; Bot. Mag. t. 11. Europe.

E. herbacea, *L.*

Var. alba.

E. ciliaris, *L.*; Eng. Bot. ed. 3, t. 887; Bot. Mag. t. 484. South-Western Europe. (Cornwall, &c.)

Var. mawiana. Portugal.

E. mawiana, *Hort.*

E. cinerea, *L.*; Eng. Bot. ed. 3, t. 891. West Europe to Germany and North Italy.

Var. alba.

Var. alba minor.

Var. atropurpurea.

Var. atrosanguinea.

Var. coccinea.

Var. polypetala.

Var. purpurea.

Var. rosea.

*E. lusitanica, *Rudolph.* Spain and Portugal.

E. codonodes, *Lindl.* Bot. Reg. t. 1698; Gard. Chron. 1877, vii. 463, f. 70.

E. polytrichifolia, *Salisb.*

E. lusitanica × arborea. Garden origin.

E. Mackaii, *Hook.* Spain, Galway.

E. mackaiana, *Bab.*; Eng. Bot. ed. 3, t. 890.

E. Tetralix *var.* mackayana, *Hort.*

E. mediterranea, *L.* South-west France, Spain.

Var. **alba.**

Var. **glauca.**

Var. **hibernica**, *Hook.*

E. hibernica, *Syme* Eng. Bot. t. 892.

Var. **hybrida.**

Var. **nana.**

E. multiflora, *L.*; Moggridge Flora of Mentone t. 59a. South Europe.

E. peduncularis, *J. & C. Presl.* (not *Salisb.*).

E. scoparia, *L.*; Moggridge Flora of Mentone t. 59c. Western Mediterranean region.

E. arborea, *Hort.* (not *L.*).

E. virgulata, *Wendl.*

E. stricta, *Donn*; Andr. Heathery, ii. t. 92. South Europe.

E. corsica, *DC.*

E. multicaulis, *Salisb.*

E. pendula, *Wendl.*

E. ramulosa. *Viv.*

E. Tetralix, *L.*; Eng. Bot. ed. 3, t. 889. North and West Europe to Russia. "Cross-leaved Heath."

Var. **alba.**

Var. **mollis.**

Var. **rubra.**

E. vagans, *L.*; Eng. Bot. ed. 3, t. 893. South-western Europe (Cornwall). "Cornish Heath."

Var. **alba.**

Var. **grandiflora.**

Var. **rubra.**

E. Watsoni, *DC.* South-western England.

E. Tetralici-ciliaris, *Syme* Eng. Bot. ed. 3, t. 888.

Bruckenthalia spiculifolia, *Reichb.* Eastern Europe, Asia Minor.

Erica spiculifolia, *Sibth.* Fl. Graeca t. 353.

Menziesia Bruckenthalii, *Baumg.*

Loiseleuria procumbens, *Desv.*; Lodd. Bot. Cab. t. 762. Arctic and Alpine Europe, Asia, America. "Alpine Azalea."

Azalea procumbens, *L.*

Chamaeledon procumbens, *Link.*

Bryanthus Breweri, *A. Gray.* Sierra Nevada, California.

B. empetriformis, *A. Gray.* British Columbia to California, &c.

Menziesia empetriformis, *Sm.*; Bot. Mag. t. 3176.

M. Grahami, *Hook.*

Phyllodoce empetriformis, *D. Don.*

P. Grahami, *Nutt.*

B. erectus, *Lindl. & Paxt.* Fl. Gard. i. 97, pl. 19. Garden origin.

B. empetriformis × Rhodothamnus Chamaecistus.

B. taxifolius, *A. Gray.* Cold regions of northern hemisphere.

B. caeruleus, *Dippel.*

Andromeda caerulea, *L.*

A. taxifolia, *Pall.*

Menziesia caerulea, *Sw.*; Eng. Bot. ed. 3, t. 886.

Phyllodoce caerulea, *Bab.*

P. taxifolia, *Salisb.*

Daboëcia polifolia, *D. Don*; Eng. Bot. ed. 3, t. 885. Ireland, West France, Spain, Portugal, Azores. "St. Dabeoc's Heath."

D. cantabrica, *C. Koch.*

Andromeda Daboecia, *L.*

Menziesia polifolia, *Juss.*

Var. **alba.**

Var. **bicolor.**

Var. **pygmaea,** *Hort. Kew.*

Kalmia angustifolia, *L.*; Bot. Mag. t. 331. North America. "Sheep Laurel."

Var. **glauca.**

Var. **lucida.**

Var. **nana.**

Var. **nitida.**

Var. **ovata.**

Var. **rosea.**

Var. **rubra.**

K. glauca, *Ait.*; Bot. Mag. t. 177. North America.

K. latifolia, *L.*; Bot. Mag. t. 175. North America. "Calico-Bush."

Var. **myrtifolia.**

Var. **polypetala.** Garden and Forest 1890, 453, f. 56.

Rhodothamnus Chamaecistus, *Reichb.* Austrian Alps.

Rhododendron Chamaecistus, *L.*; Bot. Mag. t. 488.

Leiophyllum buxifolium, *Ell.*; Bot. Mag. t. 6752. New Jersey to Florida, and the mountains of Carolina. "Sand Myrtle."

L. serpyllifolium, *DC.*

L. thymifolium, *G. Don.*

Ammyrsine buxifolia, *Pursh.*

Ledum buxifolium, *Berg.*

L. intermedium, *Hort.*

L. thymifolium, *Lam.*

Var. **prostratum.**

L. Lyoni, *Sweet.*

L. prostratum, *Loud.*

Ammyrsine prostrata, *Sweet.*

Elliottia paniculata, *Benth. & Hook. f.* Japan.

Tripetaleia paniculata, *Sieb. & Zucc.*

E. racemosa, *Muhl.*; Garden and Forest 1894, 205, f. 37 Georgia.

Ledum glandulosum, *Nutt.*; Bot. Mag. t. 7610. California, British Columbia, and northern Rocky Mountains.

L. latifolium, *Ait.* North America. "Labrador Tea."

L. canadense, *Lodd.*; Bot. Cab. t. 1049.

L. groenlandicum, *Retz.*

L. hirsutum, *Hort.*

L. palustre *var.* canadense, *Hort.*

L. palustre *var.* decumbens, *Hort.*

L. palustre *var.* latifolium, *Michx.*

L. palustre *var.* medium, *Hort.*

Var. **compactum.**

L. compactum, *Hort.*

L. palustre, *L.*; Lodd. Bot. Cab. t. 560. Northern and Arctic Regions.

L. augustifolium, *Hort.*

L. longifolium, *Hort.*

L. odoratum, *Hort.*

Var. dilatatum.

† Azaleastrum.

Rhododendron albiflorum, *Hook.*; Bot. Mag. t. 3670. Northern Rocky Mountains and Oregon to British Columbia.

R ovatum, *Planch.* China.

Azalea ovata, *Lindl.*; Bot. Mag. t. 5064.

†† Azalea.

R. Albrechti, *Maxim.* Japan.

R. arborescens, *Torr.*; Garden and Forest 1888, 404, f. 64. Mountain region from Pennsylvania to North Carolina and Tennessee.

Azalea arborescens, *Pursh.*

A. fragrans, *Rafin.*

R. calendulaceum, *Torr.* Pennsylvania to Georgia.

Azalea calendulacea, *Michx.*

A. pontica *var.* calendulacea, *Pers.*

Var. flammea. Bot. Mag. t. 2143.

Var. Morteri, *Sweet* Brit. Fl. Gard. iv. t. 10.

"R. calendulaceum × red variety of R. nudiflorum."

Many garden varieties and hybrids.

R. dilatatum, *Miq.* Japan.

R. flavum, *G. Don.* Caucasus, &c.
Azalea pontica, *L.*; Bot. Mag. t. 433.
Anthodendron flavum, *Reichb.*

Var. albiflorum.
Azalea pontica *var.* albiflora, Bot. Mag. t. 2383.

Var. ardens, *Sweet* Brit. Fl. Gard. vii. t. 306.

Many garden varieties and hybrids.

*R. indicum, *Sweet.* China and Japan. "Indian Azalea."
Azalea indica, *L.*

Var. amoenum, *Maxim.*
R. amoenum, *Planch.*
Azalea amoena, *Lindl. & Paxt.* Fl. Gard. iii. t. 89; Bot. Mag. t. 4728.

Var. amoenum splendens.

Var. balsaminaeflorum.
Azalea balsaminaeflora, *Carr.*; Rev. Hort. 1882, pl.
A. Rollisoni, *Hort.*
A. rosaeflora, *Hort.*

Var. Caldwelli.

Var. calyciflorum.

Var. Kaempferi, *Maxim.*
R. Sieboldi, *Miq.*

Var. obtusum.
R. obtusum, *Planch.*
R. Sieboldi *var.* minus, *Miq.*
Azalea obtusa, *Lindl.* Bot. Reg. xxxii. t. 37.

Var. obtusum album.

*R. ledifolium, *G. Don.* Japan, China, &c.

R. leucanthum, *Blume.*

R. rosmarinifolium, *Dippel.*

Azalea indica *var.* alba, *Lindl.* Bot. Reg. t. 811.

A. ledifolia, *Hook.* Bot. Mag. t. 2901.

A. liliiflora, *Poit.*

Var. narcissiflorum.

*R. linearifolium, *Sieb. & Zucc.* Japan.

R. rosmarinifolium, *Hort.* (not *Dippel*).

Azalea linearifolia, *Hook.* Bot. Mag. t. 5769.

R. nudiflorum, *Torr.* Canada to Florida and Texas. "Pinxter Flower."

R. bicolor, *Sweet.*

R. canescens, *G. Don.*

Azalea bicolor, *Pursh.*

A. canescens, *Michx.*

A. lutea, *L.*

A. nudiflora, *L.*; Bot. Mag. t. 180.

A. periclymenoides, *Michx.*

Var. carneum.

Azalea nudiflora *var.* carnea, Bot. Reg. t. 120.

Var. eximium, *D. Don*; Sweet Brit. Fl. Gard. vi. t. 291. "R. nudiflorum coccineum majus × R. arboreum."

Var. rubrum.

Azalea nudiflora *var.* rubra, *Lodd.* Bot. Cab. t. 51.

Many garden varieties and hybrids.

R. occidentale, *A. Gray*; Bot. Mag. t. 5005. California.

A. occidentalis, *Torr. & Gr.*

R. quinquefolium, *Bissel & S. Moore.* Japan.

R. Rhodora, *J. F. Gmel.* North America.
R. canadense, *Dippel.*
R. pulchellum, *Salisb.*
Rhodora canadensis, *L.*; Bot. Mag. t. 474.
R. congesta, *Moench.*

R. rhombicum, *Miq.*; Bot. Mag. t. 6972. Japan.
R. reticulatum, *D. Don.*
Azalea reticulata, *C. Koch.*
A. rhombica, *Hort.*

***R. Schlippenbachii**, *Maxim.*; Bot. Mag. t. 7373. Mandshuria and Japan.

***R. serpyllifolium**, *Miq.* Japan.
Azalea serpyllifolia, *A. Gray.*

R. sinense, *Sweet* Brit. Fl. Gard. t. 290: Bot. Mag. t. 5905. China and Japan.
R. molle, *Sieb. & Zucc.*
Azalea japonica, *A. Gray.*
A. mollis, *Blume.*
A. pontica, *L. var.* sinensis, *Lindl.* Bot. Reg. t. 1253.
A. sinensis, *Lodd.* Bot. Cab. t. 885.

Many garden varieties.

R. Tschonoskii, *Maxim.* Rhod. As. Orient. t. 3, f. 8a. Japan.

R. Vaseyi, *A. Gray*; Garden and Forest 1888, 376, f. 60. Mountains of North and South Carolina.

Var. **album.**

R. viscosum, *Torr.* North America. "Swamp Honeysuckle."
Anthodendron viscosum, *Reichb.*
Azalea viscosa, *L.*

R. viscosum—*cont.*

Var. glaucum, *A. Gray.*

R. glaucum, *G. Don* (not *Hook. f.*).

Azalea glauca, *Lam.*

A. viscosa *var.* glauca, *Michx.*

††† Eurhododendron.

R. afghanicum, *Aitch. & Hemsl.* Journ. Linn. Soc. xix. t. 21. Afghanistan.

R. altaclerense, *Lindl.* Bot. Reg. t. 1414. Garden origin.

R. arboreum (hybridum) altaclerense; Bot. Mag. t. 3423.

"R. arboreum × (catawbiense × ponticum)."

R. Anthopogon, *D. Don*; Bot. Mag. t. 3947. Alpine Himalaya and Northern Asia.

R. arboreum, *Sm. var.* Campbelliae. Temperate Himalaya.

R. Campbelliae, *Hook. f.* Rhod. Sikkim Himal. t. 6.

R. aucubaefolium, *Hemsl.* Central China.

R. Augustinii, *Hemsl.* Central China.

R. auriculatum, *Hemsl.* Central China.

R. blandianum, *Martr.* L'Horticulteur Français 1859, t. 13. Garden origin.

R. arboreum × ?

R. brachycarpum, *G. Don*; Garden and Forest 1888, 293, f. 46. Japan.

R. californicum, *Hook.* Bot. Mag. t. 4863. California, &c.

R. campanulatum, *D. Don*; Bot. Mag. t. 3759. Alpine Himalaya.

R. aeruginosum, *Hook. f.*

Var. album.

Var. pictum.

Var. Wallichii, *Hook. f.*

R. Batemani, *Hook.* Bot. Mag. t. 5387.

R. campylocarpum, *Hook. f.* Bot. Mag. t. 4968. Sikkim, &c.

R. catawbiense, *Michx.*; Bot. Mag. t. 1671. High mountains from Virginia to Georgia.

Var. fastuosum.

R. fastuosum, *Van Houtte* Flore des Serres t. 143.

Many garden varieties and hybrids.

R. caucasium, *Pall.* Caucasus.

R. caucaseum, *Sims* Bot. Mag. t. 1145.

Var. flore albo.

Var. pictum.

R. ciliatum, *Hook. f.* Rhod. Sikkim. Himal. t. 24. Sikkim.

R. cinnabarinum, *Hook. f.* Rhod. Sikkim Himal. t. 8. Sikkim, &c.

R. blandfordiaeflorum, *Hook. f.* Bot. Mag. t. 4930.

R. collettianum, *Aitch. & Hemsl.*; Bot. Mag. t. 7019. Afghanistan.

R. afghanicum, *Hort.* (not *Aitch. & Hemsl.*).

R. Cunninghami, *Hort.* (maximum × arboreum). Garden origin.

R. dauricum, *L.* Dahuria to Mandshuria and Sachalin.

R. dahuricum, *Dippel.*

Var. atrovirens.

R. decorum, *Franch.* Yunnan.

R. Delavayi, *Franch.* Yunnan.

R. ferrugineum, *L.*; Lodd. Bot. Cab. t. 65. Alps of Europe. "Rose des Alpes."

Var. album, *Sweet* Brit. Fl. Gard. 1838, t. 258.

Var. atrococcineum.

Var. erectum.

Var. hybridum.

Var. myrtifolium. Austrian Alps.
R. myrtifolium, *Schott. & Kotschy* (not *Lodd.*).

Var. variegatum.

The three following are plants of garden origin in all probability derived from R. ferrugineum and punctatum.

R. arbutifolium, *Hort.*
R. daphnoides, *Hort.*

R. Hammondi, *Hort.*
R. tenellum, *Hort.*

R. Wilsoni, *Hort.* (not *Hook.*).

R. Fortunei, *Lindl.*; Bot. Mag. t. 5596. China.

R. fulgens, *Hook. f.* Rhod. Sikkim Himal. t. 25. Nepal and Sikkim.

R. glaucum, *Hook. f.* Bot. Mag. t. 4721. Sikkim and Bhotan.

halense, *Gremb.* (subferrugineum × hirsutum.) Austrian Alps.

R. hirsutiforme, *Gremb.* (subferrugineum × hirsutum). Austrian Alps.

R. hirsutum, *L.*; Bot. Mag. t. 1853. Alps of Europe. "Rose des Alpes."

R. hypoglaucum, *Hemsl.* Central China.

R. intermedium, *Tausch.* Tyrol, &c.

R. kamtchaticum, *Pall.*; Gartenflora t. 1260. North Asia.

R. kewense, *W. Wats.* (griffithianum × Hookeri.) Garden, 1892, xlii. t. 474. Garden origin.

*R. Keysii, *Nutt.*; Bot. Mag. t. 4875. Bhotan.

*R. lacteum, *Franch.* Yunnan.

R. lepidotum, *Wall.*; Bot. Mag. t. 4657. Temperate and Alpine Himalaya.

R. Luscombei, *W. Wats.* (Fortunei × Thomsoni.) Garden origin.

Var. splendens.

R. Manglesii, *Hort.* (Aucklandi × album elegans); Gard. Chron. 1885, xxiv. 49, f. 9. Garden origin.

R. maximum, *L.*; Bot. Mag. t. 951. North America.

R. procerum, *Salisb.*

R. purpureum, *G. Don.*

R. Purshii, *G. Don.*

R. micranthum, *Turcz.* China.

R. Metternichii, *Sieb. & Zucc.* Fl. Jap. t. 9. Japan.

Var. pentamerum.

R. myrtifolium, *Lodd.* Bot. Cab. t. 908. Garden origin.

? R. hirsutum × punctatum.

R. ovalifolium, *Hort.*

R. ovatum, *Hort.* (not *Maxim.*).

R. ponticum *var.* myrtifolium, *Loud.*

R. niveum, *Hook. f.* Bot. Mag. t. 4730. Sikkim.

R. nobleanum, *Lindl.* Bot. Reg. t. 1820. Garden origin.

R. arboreum × caucasicum.

R. caucasicum *var.* nobleanum, *Loud.*

R. parvifolium, *Adams.*; Gartenflora 1877, t. 904. Siberia, China, &c.

R. parviflorum, *Ait.*

Azalea ferruginosa, *Pall.* Fl. Ross. t. 72.

R. pittosporaefolium, *Hemsl.* Central China.

R. ponticum, *L.*; Bot. Mag. t. 650. Spain, Portugal, Asia Minor.

R. baeticum, *Boiss. & Reut.*

Var. **album.**

Var. **cheiranthifolium.**

R. cheiranthifolium, *Hort.*

Var. **daphnoides**, *Hort.*

R. daphnoides, *Hort.* (in part).

Var. **lancifolium.**

R. lancifolium, *Moench.*

Var. **variegatum.**

R. praecox, *Carr.* Rev. Hortic. 1868, 211, t. (ciliatum × dauricum). Garden origin.

R. Przewalskii, *Maxim.* China.

R. pulcherrimum, *Lindl.* (arboreum × caucasicum).

R. caucasicum *var.* pulcherrimum, *Loud.*

R. punctatum, *Andr.* Bot. Rep. t. 36.; Bot. Reg. t. 37. Alleghany Mountains from North Carolina to Georgia.

R. minus, *Michx.*

R. racemosum, *Franch.*; Bot. Mag. t. 7301; Garden 1892, xlii. 311, pl. Western China.

B. roseum odoratum, *Hort. Davies.* Garden origin.
"Hardy white Azalea × hardy scarlet Rhododendron."

R. rubiginosum, *Franch.*; Bot. Mag. t. 7621. Yunnan.

R. russellianum, *Sweet* Brit. Fl. Gard. iv. t. 91. (catawbiense × arboreum).

R. Smirnowi, *Trautv.*; Gartenflora t. 1226, f. 2. Caucasus.

R. Smithii, *Hort.* var. **elegans.** Garden origin.

R. Thomsoni, *Hook. f.*; Bot. Mag. t. 4997. Nepal and Sikkim.

R. tortonianum, *Hort.* Garden origin.

R. Ungerni, *Trautv.*; Gartenflora t. 1226, f. 1. Caucasus.

R. venustum, *D. Don.*; Sweet Brit. Fl. Gard. ser. ii. t. 285 (caucasicum × arboreum).
R. Jacksoni, *Hort.*

R. virgatum, *Hook. f.*; Bot. Mag. t. 5060. Sikkim.

R. yunnanense, *Franch.*; Bot. Mag. t. 7614. Yunnan.

††† Hybrids between Azalea and Rhododendron.

R. azaleoides, *Desf.* (viscosum × maximum). Garden origin.
R. hybridum, *Ker-Gawl.* Bot. Reg. t. 195.
R. odoratum, *Lodd.*
R. fragrans, *Part.* Mag. of Bot. x. t. 147.
R. ponticum *var.* deciduum, *Andr.* Bot. Rep. t. 379.
R. ponticum *var.* azaleoides.
R. maximum hybridum, Bot. Mag. t. 3454.

R. Cartoni, *Hort.*; Bot. Reg. t. 1449. Garden origin.
"Azalea nudiflora × Rhododendron catawbiense."

R. gemmiferum, *Hort.* Garden origin.

R. gowenianum, *Sweet* Brit. Fl. Gard. ser. i. t. 263. Garden origin. "(Azalea nudiflora or viscosa) × (R. ponticum × catawbiense)."
R. nudiflorum *var.* govenianum, *Loud.*

Rhododendron Smithii, *Hort.* (not *Sweet*) var. **aureum**, *Paxt.* Mag. Bot. ix. t. 79. "Rhododendron seedling × Azalea sinensis."

Under the generic name Azaleodendron a number of hybrids between R. sinensis (Azalea mollis) and an evergreen hybrid Rhododendron have been distributed from Belgium.

Menziesia globularis, *Salisb.* Alleghany Mountains from Pennsylvania to Georgia.
M. ferruginea *var.* globularis, *Sims* Bot. Mag. t. 1571.
M. pilosa, *Britt. & Br.* Illustr. Fl. ii. 562, f.

Clethra acuminata, *Michx.*; Lodd. Bot. Cab. t. 1427. Virginia to Georgia. "White Alder."
C. montana, *Bartr.*

C. alnifolia, *L.* Maine to Florida. "Sweet Pepperbush."

Var. Michauxii.
C. Michauxii, *Court.*

Var. paniculata.
C. paniculata, *Ait.*

Var. scabra.
C. scabra, *Pers.*

C. alnifolia—*cont.*

Var. tomentosa, *Michx.*; Garden and Forest 1891, 64, f. 14.

C. incana, *Pers.*

C. pubescens, *Willd.*

C. tomentosa, *Lam.*; Bot. Mag. t. 3743.

C. canescens, *Reinw.* China, Japan, &c.

C. barbinervis, *Sieb. & Zucc.*; Gartenflora 1870, t. 654.

C. lancifolia, *Turcz.*

C. Fabri, *Hance.*

Diapensiaceae.

Diapensia lapponica, *L.*; Bot. Mag. t. 1108. Mountains in high latitudes of northern hemisphere.

Myrsinaceae.

*Myrsine africana, *L.* Himalaya, Tropical and South Africa, Azores.

*Ardisia japonica, *Blume.* China and Japan.

A. odontophylla, *Lindl.* Bot. Reg. t. 1892.

Bladhia glabra, *Thunb.*

B. japonica, *Thunb.*

Sapotaceae.

*Bumelia lanuginosa, *Pers.*; Sargent Silva of North America, t. 247. Southern United States, &c.

Sideroxylon lanuginosum, *Michx.*

*B. lycioides, *Gaertn. f.*; Sargent Silva of North America, t. 248. South United States. "Southern Buckthorn."

Sideroxylon lycioides, *L.*

Ebenaceae.

***Diospyros Kaki**, *L.* Japan. "Kaki."

D. Lotus, *L.*; Loud. Arb. et Frut. Brit. 625, f. 1214. Temperate Asia (naturalized in South Europe ?). "Common Date Plum."

D. calycina, *Hort.*

D. virginiana, *L.*; Sargent Silva of North America, t.t. 252–3. United States. "Persimmon."

D. concolor, *Moench.*

D. digyna, *Hort.*

D. distyla, *Hort.*

Styraceae.

Symplocos crataegoides, *Buch-Ham.*; Garden and Forest 1892, 89, f. 15. Himalaya to Japan.

***S. japonica**, *A.DC.*; Lindl. & Paxt. Fl. Gard. i. 61, f. 39. China and Japan. "Kuroki."

S. lucida, *Sieb. & Zucc.* Fl. Jap. t. 24.

***S. paniculata**, *Miq.* Japan.

***S. tinctoria**, *L'Hérit.* Delaware to Florida and Louisiana. "Horse-sugar."

Halesia corymbosa, *Nichols.* Japan.

Pterostyrax corymbosum, *Sieb. & Zucc.* Fl. Jap. t. 47.

H. diptera, *L.*; Lodd. Bot. Cab. t. 1172. Georgia and Florida to Louisiana.

Mohrodendron dipterum, *Britton*; Sargent Silva of North America t. 249.

H. hispida, *Mast.* Gard. Chron. 1884, xxii. 176, f. 34. China and Japan. "Asagara."

Pterostyrax hispidum, *Sieb. & Zucc.*; Rev. Hort. 1875, 308, f. 50.

H. parviflora, *Michx.* Georgia and Florida.

H. tetraptera, *L.*; Bot. Mag. t. 910. West Virginia and Illinois to Florida. "Snowdrop or Silver-bell Tree."

Mohrodendron Carolinum, *Britton*; Sargent Silva tt. 257–8. Florida.

Var. Meehani, *Sargent* Garden and Forest 1892, 535, f. 91.

H. Meehani, *Hort.*

Styrax americanum, *Lam.* Virginia to Florida, Louisiana and Arkansas.

Halesia parviflora, *Lindl.* Bot. Reg. t. 952 (not *Michx.*).

S. japonicum, *Sieb. & Zucc.* Fl. Jap. t. 23; Regel Gartenflora, t. 583. China and Japan.

S. Obassia, *Sieb. & Zucc.*; Bot. Mag. t. 7039. Japan.

S. officinale, *L.*; Moggr. Flora of Mentone t. 60. South Europe, Asia Minor. "Storax."

*S. serrulatum, *Roxb.*; Bot. Mag. t. 5950. Eastern India.

Oleaceae.

*Jasminum floridum, *Bunge.*; Bot. Mag. t. 6719. China.

J. subulatum, *Lindl.*

J. fruticans, *L.*; Bot. Mag. t. 461. Mediterranean region and Orient.

J. collinum, *Salisb.*

J. heterophyllum, *Moench.*

J. humile, *L.*; Bot. Reg. t. 350. Sub-tropical Himalaya.

J. chrysanthum, *Roxb.*

J. Fulleri, *Hort.*

J. pubigerum, *Hort.* (not *D. Don*).

J. Reevesii, *Hort.*

J. revolutum, *Sims.* Bot. Mag. t. 1731.

J. wallichianum, *Lindl.*

J. nudiflorum, *Lindl.*; Bot. Mag. t. 4649. China and Japan.

Var. foliis aureis.

J. officinale, *L.*; Bot. Mag. t. 31. Persia and North-western India. "Jessamine."

J. ochroleucum, *Hort.*

Var. affine, *Dippel.*

J. affine, *Royle*; Bot. Reg. xxxi. t. 26; Carr. Rev. Hort. 1878, 428, f. 87.

J. grandiflorum, *Hort.* (not *L.*).

Var. foliis aureis.

***J. primulinum**, *Hemsl.*; Hook. Icon. Plant. t. 2384. Yunnan.

Forsythia europaea, *Degen & Baldacci.* Albania.

F. intermedia, *Zabel*; Gartenflora 1891, 397, f. (suspensa × viridissima). Garden origin.

Var. densiflora, *Koehne.*

Var. vitellina, *Koehne.*

F. suspensa, *Vahl*; Bot. Mag. t. 4995. China.

F. Fortunei, *Hort.*

F. Sieboldi, *Hort.*

F. viridissima, *Lindl.* Bot. Reg. 1847, t. 39. China.

Syringa amurensis, *Rupr.*; Garden and Forest 1889, 271, f. 112. China, Japan, and Mandshuria.

Ligustrina amurensis, *Rupr.*; Gartenflora 1863, t. 396.

S. chinensis, *Willd.*; Nouveau Duhamel ii. t. 63 (vulgaris × persica). Garden origin. "Rouen Lilac."

S. correlata, *A. Br.*

S. dubia, *Pers.*

S. rothomagensis, *Mirb.*

S. sibirica, *Hort.*

Var. **metensis**, *Hort.*

Var. **rubra**, *Lodd.*

Var. **saugeana**, *Hort.*

S. Emodi, *Wall.*; Bot. Reg. xxxi. t. 6. Himalaya.

Var. **foliis rubris.**

Var. **rosea**, *Cornu*; Rev. Hort. 1888, 492, t. North China.

S. Bretschneideri, *Hort.*

S. villosa, *Sargent* Garden and Forest 1888, 521, f. 83.

Var. **variegata.**

S. japonica, *Decne.*; Garden and Forest 1889, 295, f. 115. Japan.

Ligustrina amurensis *var.* japonica, *Maxim.*

S. Josikaea, *Jacq. f.*; Bot. Mag. t. 3278. Transsylvania.

Var. **eximia.**

S. oblata, *Lindl.*; Garden and Forest 1888, 221, f. 39. China.

S. chinensis, *Blume* (not *Willd.*).

S. pekinensis, *Rupr.* Mountains of Northern China.

S. amurensis *var.* pekinensis, *Maxim.*

Ligustrina pekinensis, *Regel.*

Var. **pendula.**

S. persica, *L.*; Bot. Mag. t. 486. Afghanistan. "Persian Lilac."

Var. **alba**.

S. Steencruyssii, *Hort.*

Var. **laciniata**, *Vahl*; Lodd. Bot. Cab. t. 1107.

S. filicifolia, *Hort.*

S. laciniata, *Mill.*

S. pteridifolia, *Hort.*

S. pinnata, *Hort.*

S. villosa, *Vahl*; Bot. Mag. t. 7064; Garden and Forest 1888, 414, f. 67. North China.

S. pubescens, *Turcz.*

S. verrucosa, *Hort.*

S. vulgaris, *L.*; Bot. Mag. t. 183. Eastern Europe. "Common Lilac."

Var. **foliis aureis**.

Many garden varieties.

† Ornus.

Fraxinus bracteata, *Hemsl.* Central China.

F. bungeana, *DC.*; Garden and Forest 1894, 5, f. 1. China and Japan.

F. chinensis, *Herd.* (not *Wall.*).

F. floribunda, *Bunge* (not *Wall.*).

F. obovata, *Blume.*

F. Ornus *var.* bungeana, *Hance.*

Var. **microphylla**.

F. chinensis, *Roxb.* China.

F. dipetala, *Hook. & Arn.*; Sargent Silva of North America t. 261. California. "Fringe-flowered Ash."

Ornus dipetala, *Nutt.*

F. floribunda, *Wall.* Himalaya.

Ornus floribunda, *A. Dietr.*

F. longicuspis, *Sieb. & Zucc.* Japan.

F. Mariesii, *Hook. f.* Bot. Mag. t. 6678. China.

F. Ornus, *L.*; Bentl. & Trim. Medicinal Plants t. 170. Mediterranean region and Orient. "Manna Ash."

F. florifera, *Scop.*

F. paniculata, *Mill.*

Ornus europaea, *Pers.*; Loud. Arbor. et Frut. Brit. 652, f. 1266.

Var. **angustifolia.**

Var. **latifolia**, *Ait.*; Wats. Dendr. Brit. t. 107.

F. rotundifolia, *Hort.* (not *Lam.*).

F. Theophrasti, *Hort.*

Ornus rotundifolia, *Hort.*

Ornus Theophrasti, *Hort.*

Var. **variegata.**

F. platypoda, *Oliver*; Hook. Icon. Plant. t. 1929. China.

F. sieboldiana, *Hort.* (not *Blume*).

F. Sieboldii, *Hort.*

F. raibocarpa, *Regel*; Dippel Laubholzk. i. 93, f. 50. Turkestan.

F. rotundifolia, *Lam.*; Dippel Laubholzk. i. 61, f. 25. South Europe, &c.

F. argentea, *Loisel.*

F. mannifera, *Hort.*

Ornus rotundifolia, *Pers.*

F. sieboldiana, *Blume*; Dippel Laubholzk. i. 63, f. 27.

†† Fraxinaster.

Fraxinus americana, *L.*; Sargent Silva of North America t.t. 268, 269. North America. "White Ash."

F. acuminata, *Lam.*

F. alba, *Marsh.*

F. canadensis, *Gaertn.*

F. cinerea, *Bosc.*

F. curvidens, *Hort.*

F. discolor, *Muhl.*

F. epiptera, *Michx.*

F. glauca, *Hort.*

F. juglandifolia, *Lam.*

F. mixta, *Bosc.*

F. pannosa, *Bosc.*

Var. **microcarpa**, *A. Gray.*

F. albicans, *Buckl.*

F. americana *var.* epiptera, *C. Koch.*

F. americana longifolia, *Hort.*

F. Curtissii, *Vasey.*

F. lancea, *Bosc.*

F. Novae-Angliae, *Hort.*

Var. **aucubaefolia**, *Hort.*

Var. **foliis argenteis variegatis.**

F. angustifolia, *Vahl*; Dippel Laubholzk. i. 91, f. 48. South Europe, &c.

F. australis, *J. Gay.*

F. calabrica, *Hort.*

F. chinensis, *Lodd.* (not *Roxb.*).

F. excelsior *var.* australis, *Gay.*

F. excelsior *var.* salicifolia, *Hort.*

F. angustifolia—*cont.*

F. lucida, *Hort.*

F. oxycarpa, *Willd.*

F. oxyphylla, *Bieb.*

F. rostrata, *DC.*

F. salicifolia, *Hort.*

Var. **lasiorachis.**

F. anomala, *Torr.* ; Sargent Silva of North America t. 266. Utah.

F. berlandieriana, *DC.* ; Sargent Silva of North America t. 273. Southern Mexico.

F. americana *var.* berlandieriana, *Wesmael.*

F. pubescens *var.* Lindheimeri, *Wenzig.*

F. trialata, *Buckl.*

F. viridis *var.* berlandieriana, *Torr.*

F. caroliniana, *Mill.* ; Sargent Silva of North America t.t. 274, 275. Southern United States. "Water Ash ; Swamp Ash."

F. americana, *Marsh.* (not *Lam.*).

F. cubensis, *Griseb.*

F. curvidens, *Hoffmgg.*

F. nigra *var.* caroliniana, *Wesmael.*

F. nigrescens, *Buckl.*

F. Nuttallii, *Buckl.*

F. pallida, *Bosc.*

F. pauciflora, *Nutt.*

F. platycarpa, *Michx.*

F. pubescens, *Bosc* (not *Lam.*).

F. triptera, *Nutt.*

F. chinensis, *Roxb.* China.

F. dimorpha, *Coss. & Dur.* North Africa.

F. incana, *Carr.*

F. xanthophylla, *Hort.*

F. xanthoxyloides, *Hort.*

Var. **dumosa**, *Carr.*

F. Elonza, *Dippel* Laubholzk. i. 87, f. 46. Origin uncertain.

F. excelsior, *L.*; Eng. Bot. ed. 3, t. 1402. Europe, North Africa. "Common Ash."

Var. **amarissima**, *Dippel.*

F. amarissima, *Hort.*

Var. **angustifolia**, *Loud.*

F. heterophylla, *Hort.* (not *Vahl*).

F. salicifolia, *Hort.* (in part).

Var. **atrovirens nana.**

Var. **aurea**, *Loud.*

F. aurea, *Pers.*

Var. **aurea pendula**, *Hort.*

Var. **concavifolia.**

Var. **cortice variegato.**

Var. **crispa**, *Loud.*

F. americana crispa, *Hort.*

F. atrovirens, *Desf.*

F. coriacea, *Hort.*

F. crispa, *Bosc.*

F. excelsior *var.* atrovirens, *Dippel.*

F. excelsior *var.* cucullata, *Hort.*

F. glomerata, *Hort.*

F. nigra, *Hort.* (not *Marsh.*).

Var. **cucullata.**

Var. **foliis argenteis.**

F. excelsior—*cont.*

Var. **fungosa**, *Lodd.*

Var. **globosa**, *Hort.*

Var. **heterophylla**, *Loud.* Arb. et Frut. Brit. 643, f. 1249.
F. excelsior *var.* diversifolia, *Ait.*
F. heterophylla, *Vahl.*
F. integrifolia, *Hort.*
F. monophylla, *Desf.*
F. rufa, *Bosc.*
F. simplicifolia, *Willd.*

Var. **heterophylla laciniata.**
F. excelsior *var.* imbricata, *Hort.*
F. monophylla laciniata, *Hort.*

Var. **heterophylla pendula.**

Var. **longibotrys.**

Var. **lutea**, *Hort.*

Var. **monstrosa**, *Hort.*

Var. **myrtifolia**, *Hort.*
F. polemoniifolia, *Hort.*
F. viridis nobilis, *Hort.*

Var. **obliqua.**
F. obliqua, *Tausch.*

Var. **pendula**, *Ait.* "Weeping Ash."

Var. **pendula Wentworthi.** "Wentworth Weeping Ash."

Var. **scolopendrifolia.**

Var. **spectabilis**, *Hort.*

Var. **stricta**, *Loud.*

Var. **Transoni.**

Var. **verrucosa.**

Var. **verticillata**, *Hort.*
F. verticillata, *Lodd.*

F. expansa, *Hort.* (americana × viridis ? *Koehne*).

F. glabra, *Lawson.* (pennsylvanica × viridis ? *Koehne*).

F. mandshurica, *Rupr.* Corea, Mandshuria to Sachalin and Japan.

F. nigra, *Marsh.*; Sargent Silva of North America t. 265. "Black Ash."

F. americana *var.* sambucifolia, *D. J. Browne.*

F. Novae-Angliae, *Duroi.*

F. sambucifolia, *Lam.*

F. numidica, *Dippel* Laubholzk. i. 96, f. 52. North Africa.

F. oregona, *Nutt.*; Sargent Silva of North America t. 276. Western United States.

F. californica, *Hort.* (in part).

F. latifolia, *Benth.*

Var. foliis pulverulentis.

F. parvifolia, *Lam.*; Loud. Arb. et Frut. Brit. 644, f. 1251. S. Europe, Orient.

F. lentiscifolia, *Desf.*

F. oxycarpa *var.* parvifolia, *Boiss.*

F. persica, *Boiss.*

Var. pendula.

F. lentiscifolia *var.* pendula, *Kirchn.*

F. tamariscifolia *var.* pendula, *Dippel.*

Var. nana.

F. lentiscifolia nana, *Hort.*

F. tamariscifolia *var.* nana, *Dippel.*

F. pennsylvanica, *Marsh*; Sargent Silva of North America t. 271. North America. "Red Ash."

F. americana *var.* pubescens, *D. J. Browne.*

F. epiptera, *Hort.* (not *Michx.*).

F. longifolia, *Bosc.*

F. Novae Angliae, *Mill.* (not *Hort.*).

F. oblongocarpa, *Buckl.*

F. pennsylvanica—*cont.*

F. pubescens, *Lam.*

F. subvillosa, *Bosc.*

F. tomentosa, *Michx.*

F. viridis *var.* pubescens, *Hitchcock.*

Var. foliis argenteis marginatis.

Var. lanceolata, *Sargent* Silva of North America t. 272. North America. "Green Ash."

F. caroliniana, *Willd.* (not *Mill.* nor *Lam.*).

F. expansa, *Willd.*

F. juglandifolia, *Willd.*

F. lanceolata, *Borkh.*; Britt. & Br. Illustr. Flora ii. 601, f.

F. pubescens, *Torr.* (not *Lam.*).

F. viridis, *Michx.*

F. platypoda, *Oliver* Hook. Icon. Pl. t. 1929.

F. serratifolia, *Hort.* (not *Michx.*).

F. Sieboldi.

F. siebold ana, *Dippel* (not *Blume*).

F. potamophila, *Herd.*; Dippel Laubholzk. i. 98, f. 54. Turkestan, &c.

F. quadrangulata, *Michx.*; Sargent Silva of North America, t. 263. United States. "Blue Ash."

F. quadrangularis, *Lodd.*

F. tetragona, *Bosc.*

F. Regelii, *Dippel* Laubholzk. i. 97, f. 53. Turkestan.

F. sogdiana, *Hort.* (not *Bunge*).

F. rhynchophylla, *Hance*; Garden and Forest 1893, 484, f. 70. China.

F. chinensis *var.* rhyncophylla, *Hemsl.*

F. sogdiana, *Bunge*; Dippel Laubholzk. i. 92, f. 49. Turkestan.

F. turkestanica, *Hort.*

F. Veltheimi, *Dieck* (parvifolia × excelsior monophylla). Garden origin.

F. lentiscifolia *var.* monophylla.

F. parvifolia *var.* monophylla, *Dippel.*

F. velutina, *Torr.*; Sargent Silva of North America t. 267. Western United States.

Fontanesia Fortunei, *Carr.* Rev. Hort. 1859, 43, f. 9. China.

F. chinensis, *Hance.*

F. phillyraeoides *var.* chinensis, *Debeaux.*

F. phillyraeoides, *Labill.*; Dippel Laubholzk. i. 102, f. 57. Asia Minor.

F. linearis, *Hort.*

F. nana, *Hort.*

Var. longifolia, *Dippel* Laubholzk. i. 103, f. 58.

F. californica, *Hort.*

*Forestiera acuminata, *Poir.*; Dippel Laubholzk. i. 120, f. 70. Southern United States.

F. ligustrina, *Willd.* (not *Poir.*).

Adelia acuminata, *Michx.*

Borya acuminata, *Willd.*

Phillyraea angustifolia, *L.* Mediterranean region.

P. media *var.* angustifolia. *Loud.* Arb. et. Frut. Brit. 632, f. 1227.

Var. rosmarinifolia, *Ait.*

P. rosmarinifolia, *Mill.*

P. decora, *Boiss. & Bal.*; Gard. Chron. 1888, iv. 673, f. 96. Lazistan.

P. laurifolia, *Hort.*

P. Medwedewi, *Sredinski.*

P. vilmoriniana, *Boiss.*; Bot. Mag. t. 6800.

P. vilmoriensis, *Hort.*

P. latifolia, *L.*; Hempel & Wilhelm Die Bäume und Sträucher . . . iii. 123, f. 333. Mediterranean region.

P. media *var.* latifolia, *Loud.* Arb. et Frut. Brit. 633, f. 1231.

P. spinosa, *Tenore.*

Var. **ilicifolia.**

Var. **rotundifolia.**

P. media, *L.*; Loud. Arb. Brit. 632, f. 1226. Mediterranean region.

P. variabilis *var.* media.

Var. **buxifolia,** *Ait.*

Var. **oleaefolia,** *Ait.*

P. oleaefolia, *Mill.*

Osmanthus Aquifolium, *Siebold*; Gard. Chron. 1877, vii. 239, f. 37. Japan.

Ilex Aquifolium, *Thunb.* (not *L.*).

Olea Aquifolium, *Sieb. & Zucc.*

O. aquifolia, *Dippel.*

Var. **heterophyllus variegatus.**

Var. **ilicifolius.**

Olea aquifolia *var.* ilicifolia, *Dippel* Laubholzk. i. 141, f. 89.

Var. **ilicifolius latifolius.**

Var. **ilicifolius latifolius variegatus.**

Var. **ilicifolius purpureus.**

Var. **ilicifolius variegatus.**

Var. **myrtifolius.**

O. myrtifolius, *Hort.*

Olea aquifolia *var.* myrtifolia, *Dippel.*

Var. **rotundifolius.**

Chionanthus retusus, *Lindl. & Paxt.* Fl. Gard. iii. 85, f. 273; Gard. Chron. 1885, xxiii. 821, f. 178. China and Japan.

C. chinensis, *Maxim.*

C. virginica, *L.*; Lodd. Bot. Cab. t. 1264. South Pennsylvania to Florida and Texas. "Fringe-tree."

C. trifida, *Moench.*

Var. **latifolia**, *Dippel.*

C. montana, *Pursh.*

Var. **pubescens.**

C. maritima, *Pursh*; Gartenflora t. 564.

C. pubescens, *H. B. K.*

***Olea europaea**, *L.*; Bentl. & Trim. Medicinal Plants t. 172. Asia Minor and Syria (cultivated elsewhere). "Olive."

Ligustrum deciduum, *Hemsl.* Central China.

L. delavayanum, *Hariot*, Rev. Hortic. 1901, 496, f. China.

L. Ibota, *Sieb.*; Garden and Forest 1893, 425, f. 64. China, Japan and Sachalin.

L. amurense, *Hort.* (not *Carr.*).

L. ciliatum, *Sieb.*

L. obtusifolium, *Sieb. & Zucc.*

L. regelianum, *Hort.*

L. Roxburghii, *Hort.* (not *Blume*).

L. Stauntoni, *Hort.* (not *DC.*).

Daphniphyllum Roxburghii, *Hort.*

Var **obovatum.**

Var. **regelianum**, *Rehder.*

L. regelianum, *Hort.*

L. **insulare**, *Decne.*; Dippel Laubholzk. i. 122, f. 71. Origin uncertain.

L. angustifolium, *Hort.*

L. insulense, *Hort.*

L. linearis, *Hort.*

L. longifolium, *Hort.* (in part).

L. Stauntoni, *Hort.* (in part).

L. **japonicum**, *Thunb.*; Lindl. & Paxt. Fl. Gard. ii. 117, f. 196. China, Japan, &c.

L. bullatum, *Hort.*

L. glabrum, *Hort.*

L. kellerianum, *Hort.*

L. Kellermanni, *Van Houtte.*

L. latifolium robustum, *Hort.*

L. lucidum, *Hort.* (not *Ait.*).

L. macrophyllum, *Hort.*

L. ovalifolium, *Hort.* (not *Hassk.*).

L. Roxburghii, *Blume.*

L. Sieboldi, *Hort.*

L. spicatum, *Hort.*

L. syringaeflorum, *Hort.*

Var. **coriaceum.**

L. coriaceum, *Carr.* Rev. Hort. 1874, 418, f. 56; Bot. Mag. t. 7519. China.

L. lucidum *var.* coriaceum, *Decne.*

Var. **coriaceum involutum.**

L. **lucidum**, *Ait.*; Bot. Mag. t. 2565. China.

L. japonicum, *Hort.* (not *Thunb.*).

L. longifolium, *Hort.* (in part).

L. magnoliaefolium, *Hort.*

L. sinense latifolium robustum, *Hort.*; Gard. Chron. 1878, x. 753, f. 125.

L. lucidum—*cont.*

Var. **Alivoni**, *Hort.*

Var. **tricolor**, *Hort.*

L. japonicum tricolor, *Hort.*

Var. **aureo-variegatum**, *Hort.*

L. japonicum aureo-variegatum, *Hort.*

L. macrophyllum aureo-variegatum.

***L. massalongianum**, *Vis.*; Gard. Chron. 1881, xvi. 149, f. 33.

L. angustifolium, *Hort.* (in part).

L. japonicum, *Hort.* (in part).

L. longifolium, *Hort.* (in part).

L. myrtifolium, *Hort.*

L. rosmarinifolium, *Hort.*

L. spicatum, *Hort.* (in part).

L. ovalifolium, *Hassk.*; Dippel Laubholzk. i. 134, f. 84. Japan.

L. amurense, *Carr.* Rev. Hort. 1861, 352, f. 85.

L. californicum, *Hort.* (in part).

L. japonicum, *var.* ovalifolium, *Blume.*

L. ovatum, *Hort.*

L. reticulatum, *Hort.*

Var. **foliis aureis.**

L. californicum aureum, *Hort.*

L. elegantissimum, *Hort.*

L. Quihoui, *Carr.*; Gard. Chron. 1882, xviii. 277, f. 51. China.

L. brachystachium, *Decne.*

L. sinense, *Lour.*; Gard. Chron. 1858, 621, f.; 1878, x. 365, f. 64; Garden and Forest 1890, 213, f. 36. China.

L. californicum, *Hort.* (in part).

L. chinense, *Carr.*

L. chinense nanum, *Hort.*

L. Fortunei, *Hort.*

L. frondosum, *Hort.*

L. Ibota, *var.* villosum, *Hort.*

L. Stauntoni, *DC.*

L. villosum, *May.*

Var. **foliis aureis variegatis.**

L. strongylophyllum, *Hemsl.* China.

L. vulgare, *L.*; Eng. Bot. ed. 3, t. 904. Europe, North Africa. "Common Privet."

Var. **aureum.**

Var. **buxifolium.**

Var. **chlorocarpum**, *Loud.*

Var. **glaucum.**

Var. **italicum.**

L. italicum, *Mill.*

L. sempervirens, *Fl. Corc.*

Var. **pendulum.**

Var. **variegatum**, *Loud.*

Var. **xanthocarpum**, *Loud.*

Apocynaceae.

Vinca difformis, *Pourr.* South-western Europe.

V. acutiflora, *Bert.*

V. media, *Hoffmgg. & Link.*; Reichb. Ic. Fl. Germ. 1063, f. ii.

V. major, *L.*; Eng. Bot. ed. 3, t. 905. Europe, &c.

Var. elegantissima, *Hort.*

V. minor, *L.*; Eng. Bot. ed. 3, t. 906. Europe, Western Asia. "Periwinkle."

Var. azurea.

Var. flore albo.

Var. foliis argenteis, *Lodd.*

Var. foliis aureis, *Lodd.*

Var. flore pleno.

Var. flore puniceo, *Lodd.*

*Trachelospermum jasminoides, *Lemaire.* China and Japan.

Malouetia asiatica, *Sieb. & Zucc.*

Parechites Thunbergii, *A. Gray.*

Rhynchospermum jasminoides, *Lindl.*; Bot. Mag. t. 4737.

T. crocostomum, *Stapf.* China ?

Asclepiadaceae.

*Araujia sericofera, *Brot.* Brazil, &c.

Physianthus albens, *Mart.*; Bot. Mag. t. 3201.

Periploca graeca, *L.*; Bot. Mag. t. 2289. South-eastern Europe, Orient.

P. maculata, *Moench.*

*Metaplexis Stauntoni, *Roem. & Schult.*; Dippel Laubholzk. i. 160, f. 97. China, Japan, &c.

M. chinensis, *Decne.*

M. rostrata, *Turcz.*

Urostelma chinense, *Bunge.*

*Marsdenia erecta, *R. Br.*; Dippel Laubholzk. i. 161, f. 98. Eastern Europe, Asia Minor.

Cynanchum erectum, *L.*

Loganiaceae.

Buddleia albiflora, *Hemsl.* Central China.

*B. Colvillei, *Hook. f. & Thoms.*; Bot. Mag. t. 7449. Sikkim.

B. globosa, *Hope*; Bot. Mag. t. 174. Chili, Peru.

B. capitata, *Jacq.*

B. globiflora, *Mirb.*

B. intermedia, *Carr.* Rev. Hortic. 1873, 150, t. (curviflora × lindleyana). Garden origin.

B. japonica, *Hemsl.* Japan.

B. curviflora, *André* (not *Hook. & Arn.*); Ill. Hort. xvii. t. 25.

Var. insignis.

B. insignis, *Carr.* Rev. Hort. 1878, 330, f. 76.

*Buddleia lindleyana, *Fortune* Bot. Reg. xxxii. t. 4. China and Japan.

B. salicifolia, *Hort.* (not *Vahl*).

B. paniculata, *Wall.* Afghanistan and Burma to China.

B. crispa, *Benth.*; Bot. Mag. t. 4793.

B. variabilis, *Hemsl.*; Bot. Mag. t. 7609. China.

Var. veitchiana.

*Desfontainea spinosa, *Ruiz. & Pav.*; Bot. Mag. t. 4781. Chili, Peru, &c.

Boraginaceae.

Ehretia acuminata, *R. Br.* Himalaya, Japan, &c.
E. serrata, *Roxb.*; Bot. Reg. t. 1097.
Cardiandra alternifolia, *Hort.* (not *Sieb. & Zucc.*).
Cordia thyrsiflora, *Sieb. & Zucc.*

E. macrophylla, *Wall.* Himalaya.

Lithospermum prostratum, *Lois.*; Journ. Hort. s. 3, xxv. 404. South Europe.
L. fruticosum, *Hort.* (not *L.*).
Lithodora prostrata, *Griseb.*

Moltkia petraea, *Boiss.* Dalmatia.
Echium petraeum, *Tratt.*; Bot. Reg. 1843, t. 26.
Lithospermum petraeum, *A. DC.*; Bot. Mag. t. 5942.
L. rosmarinifolium, *Reichb.*

Convolvulaceae.

***Calystegia macrostegia**, *Nichols.* Lower California.
Convolvulus macrostegius, *Greene*; Bot. Mag. t. 7717.
C. occidentalis, *S. Wats*

***Convolvulus Cneorum**, *L.*; Bot. Mag. t. 459. South Europe.
C. argenteus, *Lam.*

Solanaceae.

***Solanum crispum**, *Ruiz. & Pav.*; Bot. Mag. t. 3795. Chili.

S. Dulcamara, *L.*; Bentl. & Trimen Medicinal Plants t. 190. Europe, &c. "Bitter-sweet."

S. Dulcamara—*cont.*

Var. flore lacteo.

Var. foliis variegatis.

Var. fructu luteo.

***S. jasminoides**, *Paxt.* Magaz. of Botany viii. t. 5. Brazil.
S. boerhaviaefolium, *Sendtn.*

S. lyratum, *Thunb.* China and Japan.

***Lycium afrum**, *L.*; Bot. Reg. t. 354. Cape of Good Hope, &c.
L. purpureum, *Hort.*

***L. chilense**, *Miers* Illustr. S. Amer. Plants t. 72. Chili.

L. chinense, *Mill.*; *Dippel* Laubholzk. i. 25, f. 11; Wats. Dendr. Brit. t. 8. China. "Box Thorn; Tea Tree."

L. barbarum, *Hort.* (not *L.*).

L. chinense *var.* trewianum.

L. lanceolatum, *Hort.*

L. megistocarpum, *Dun.*

L. ovatum, *C. Koch.* (not *Poir.*).

L. peruvianum, *Hort.*

L. trewianum, *Roem. & Schult.*

Var. **variegata.**

L. barbarum foliis aureis variegatis, *Hort.*

L. grevilleanum, *Gillies*; Miers Illustr. S. Amer. Plants t. 73. Argentina.

L. halimifolium, *Mill.* Origin uncertain.

L. barbarum, *Ait.* (not *L.*).

L. europaeum, *Gouan* (not *L.*).

L. halimifolium—*cont.*

L. turbinatum, *Poir.*

L. vulgare, *Dun.*

Jasminoides flaccida, *Moench.*

L. pallidum, *Miers*; Garden and Forest 1888, 341, f. 54. New Mexico, Arizona, &c.

L. rhombifolium, Dippel Laubholzk. i. 24, f. 10. China.

L. barbarum, *Wats.* Dendr. Brit. t. 9 (not *L.*).

L. ovatum, *Poir.*

Jasminoides rhombifolium, *Moench.*

L. Richii, *A. Gray.* California.

*Cestrum Parqui, *L'Hérit.*; Bot. Mag. t. 1770. Chili.

C. virgatum, *Ruiz & Pav.*

*Fabiana imbricata, *Ruiz. & Pav.*; Bot. Reg. xxv. t. 59. Peru, &c. "Pichi."

Scrophulariaceae.

*Brandisia racemosa, *Hemsl.*; Hook. Icon. Plant. t. 2383. Yunnan.

Paulownia imperialis, *Sieb. & Zucc.*; Bot. Mag. t. 4666. Japan. "Kiri."

P. tomentosa, *Steud.*

Bignonia tomentosa, *Thunb.*

Incarvillea tomentosa, *Spreng.*

*Pentstemon corymbosus, *Benth.* California.

P. heterophyllus, *Lindl.*; Bot. Mag. t. 3853. California.

P. **Menziesii**, *Hook.* Bot. Mag. t. 6834. British Columbia California, &c.

Var. **Lewisii**, (*Benth.*).

Var. **Scouleri**, *A. Gray.*

P. Scouleri, *Lindl.* Bot. Reg. t. 1277.

Veronica amplexicaulis, *Armstr.*; Bot. Mag. t. 7370. New Zealand.

*V. **Andersoni**, *Lindl. & Paxt.* Fl. Gard. ii. t. 38. Garden origin.

V. **anomala**, *Armstr.*; Bot. Mag. t. 7360. New Zealand.

V. **arborea**, *J. Buch.* New Zealand.

V. **Armstrongii**, *T. Kirk* Trans. New Zeal. Inst. xxxi. tt. 28–29. New Zealand.

V. **azurea**, *Link.* Garden origin.

V. **buxifolia**, *Benth.* New Zealand.

*V. **candida**, *Lodd.* Origin uncertain.

V. **carnea**, *Amstr.* New Zealand.

V. **Catarractae**, *Forst.* New Zealand.

V. **chathamica**, *J. Buch.* Trans. N. Z. Inst. vii. t. 13, f. 1. New Zealand.

V. **Colensoi**, *Hook. f.* Bot. Mag. t. 7296. New Zealand.

V. **cupressoides**, *Hook. f.* Bot. Mag. t. 7348. New Zealand.

V. salicornoides, *Hort.* (not *Hook. f.*).

Var. **variabilis**, *N. E. Br.* Gard. Chron. 1888, iii. 20, f.f. 4–7.

V. **decumbens**, *Armstr.* New Zealand.

V. Derwentia, *Andr.* Bot. Rep. t. 531. New Zealand.

V. Dieffenbachii, *Benth.*; Bot. Mag. t. 7656. New Zealand.

*V. diosmifolia, *R. Cunn.* New Zealand.

Var. trisepala, *Kirk*; Bot. Mag. t. 7539.
V. trisepala, *Colenso*

V. elliptica, *Forst.* New Zealand.
V. decussata, *Ait.*; Bot. Mag. t. 242.
V. Menziesii, *Benth.*

*V. Fairfieldii, *Hook. f.* Bot. Mag. t. 7323. Garden origin.

V. fruticulosa, *L.*; Reichb. Ic. Crit. x. f. 905. Europe, &c.

V. glauco-caerulea, *Armstr.* New Zealand.

V. guthriana, *Hort.* Garden origin.

V. Hectori, *Hook. f.* Bot. Mag. t. 7415. New Zealand.

*V. hulkeana, *F. Muell.*; Bot. Mag. t. 5484. New Zealand.

V. ignota, *Waugh.* New Zealand.

V. Kirkii, *Armstr.* New Zealand.

*V. lavaudiana, *Raoul*; Bot. Mag. t. 7210. New Zealand.

V. Lindsayi, *Hort.* (amplexicaulis × pimeleoides); Gard. Chron. 1898, xxiv. 331, f. 97. Garden origin.

V. Lewisii, *Armstr.* New Zealand.

V. ligustrifolia, *A. Cunn.* New Zealand.

V. loganioides, *Armstr.*; Bot. Mag. t. 7404. New Zealand.

*V. Lyallii, *Hook. f.* Bot. Mag. t. 7338. New Zealand.

*V. macrocarpa, *Vahl.* var. stricta. New Zealand.

V. macroura, *Hook. f.* New Zealand.

V. monticola, *Armstr.* New Zealand.

V. newryensis, *Hort.* Garden origin.

*V. parviflora, *Vahl.* var. angustifolia, *Hook. f.* Bot. Mag. t. 5965. New Zealand. "Koro-miko."

V. angustifolia, *A. Rich.*

V. stenophylla, *Steud.*

V. pimeleoides, *Hook. f.* New Zealand.

V. pinguifolia, *Hook. f.* Bot. Mag. t. 6147. New Zealand.

V. carnosula, *Hook. f.* Bot. Mag. t. 6587 (not Handb. New Zeal. Fl.).

V. rakaiensis, *Armstr.* New Zealand.

V. Colensoi *var.* gracilis, *Hort.*

*V. salicifolia, *Forst.*; Kirk Forest Flora of New Zealand t. 120. "Korumeek."

Var. gracilis.

*V. speciosa, *R. Cunn.*; Bot. Mag. t. 4057. New Zealand.

V. tobarcorensis, *Hort.* Garden origin.

V. Traversii, *Hook. f.* Bot. Mag. t. 6390. New Zealand.

V. vernicosa, *Hook. f.* New Zealand.

Bignoniaceae.

Bignonia capreolata, *L.*; Bot. Mag. t. 864. South United States. "Cross-vine."

Anisostichus capreolatus, *Bur.*

Catalpa bignonioides, *Walt.* South United States. "Indian Bean."

C. arguta, *Hort.*

C. cassinaefolia, *Hort.*

C. Catalpa, *Karsten*; Sargent Silva of North America t.t. 288, 289.

C. communis, *Dum.-Cours.*

C. cordifolia, *Moench.*

C. syringaefolia, *Sims* Bot. Mag. t. 1094.

Bignonia Catalpa, *L.*

Var. **aurea.**

Var. **nana.**

C. Bungei nana, *Hort.*

Var. **variegata.**

C. Bungei, *C. A. Mey.*; Nouv. Arch. Mus. Paris ser. 3, vi. t. 4. China.

C. cordifolia, *Jaume* Nouv. Duham t. 5. Western Kentucky and Tennessee, &c. "Western Catalpa."

C. speciosa, *Warder*; Sargent Silva of North America t.t. 290, 291.

C. cordifolia × Kaempferi. Garden origin.

C. Fargesi, *Bureau* Nouv. Arch. Mus. Paris ser. 3, vi. t. 3. China.

C. Kaempferi, *Sieb. & Zucc.*; Bot. Mag. t. 6611. Japan.

C. bignonioides *var.* Kaempferi, *DC.*

C. Bungei, *Hort.* (not *C. A. Mey.*).

C. himalayensis, *Hort.*

C. himalaica, *Hort.*

C. ovata, *G. Don.*

Bignonia Catalpa, *Thunb.*

C. Kaempferi—*cont.*

Var. **flavescens**, *Hort. Kew.*

C. Wallichii, *Hort.*

Var. **purpurea.**

***Tecoma grandiflora**, *Loisel.* China and Japan.

T. chinensis, *C. Koch.*

Bignonia chinensis, *Lam.*

B. grandiflora, *Thunb.*; Bot. Mag. t. 1398.

Incarvillea grandiflora, *Poir.*

Var. **sanguinea.**

Bignonia sanguinea, *Hort.*

T. radicans, *Juss.* North America. "Trumpet-flower."

Bignonia radicans, *L.*; Bot. Mag. t. 485.

***Eccremocarpus scaber**, *Ruiz & Pav.*; Bot. Reg. t. 930. Chili.

Calampelis scaber, *D. Don.*

Selaginaceae.

Globularia cordifolia, *L.*; Jacq. Flora Austriaca t. 245. South Europe, &c.

Verbenaceae.

***Lippia citriodora**, *H. B. & K.* South America. "Scented Verbena."

Aloysia citriodora, *Orteg.*

Verbena triphylla, *L'Hérit.*; Bot. Mag. t. 367.

*Rhaphithamnus cyanocarpus, *Miers*; Bot. Mag. t. 6849. Chili.

Citharexylon cyanocarpum, *Hook. & Arn.*

Duranta umbellata, *Miers.*

Poeppigia cyanocarpa, *Bertero.*

Callicarpa americana, *L.*; Britt. & Brown Illustr. Fl. iii. 74. Virginia to Texas. "French Mulberry."

C. japonica, *Thunb.*; Gard. Chron. 1871, 173, f. 39. China, Japan, Corea. "Murasaki."

C. longifolia, Bot. Reg. t. 864.

C. Murusaki, *Hort.*

Galphimia hirsuta, *Hort.* (not *Cav.*).

*C. purpurea, *Juss.* China and Japan.

C. gracilis, *Sieb. & Zucc.*

Porphyra dichotoma, *Lour.*

Diostea juncea, *Miers*; Bot. Mag. t. 7695. Chili.

D. chamaedryfolia, *Hort.*

Baillonia juncea, *Benth.*

Dipyrena dentata, *Philippi.*

Lippia juncea, *Schauer.*

Verbena juncea, *Hook. & Arn.*

*Vitex Agnus-castus, *L.*; Moggridge Flora of Mentone t. 14. Mediterranean region, &c. "Chaste Tree."

*V. incisa, *Lam.* Illustr. t. 541, f. 2. China.

V. Agnus-castus *var.* arborea, *Hort.*

V. Negundo, *Curt.* Bot. Mag. t. 361 (not *Lam.*).

V. Negundo *var.* incisa, *C. B. Clarke.*

*Clerodendron foetidum, *Bunge*; Bot. Mag. t. 4880. China.

C. Bungei, *Steud.*

C. trichotomum, *Thunb.*; Bot. Mag. t. 6561. China and Japan. "Kusagi."

Caryopteris Mastacanthus, *Schauer*; Bot. Mag. t. 6799. China and Japan.

C. incana, *Miq.*

Barbula sinensis, *Lour.*

Mastacanthus sinensis, *Endl.*

Nepeta incana, *Thunb.*

N. japonica, *Willd.*

Var. candicans.

C. candicans, *Hort.*

Labiatae.

*Lavandula dentata, *L.*; Bot. Mag. t. 400. Mediterranean region.

Stoechas dentata, *Mill.*

*L. pedunculata, *Cav.*; Laguna Fl. Forest. Esp. ii. t. 46/2. Spain and Portugal.

L. Spica, *Cav.*; Laguna Fl. Forest. Esp. ii. t. 46/3. Mediterranean region.

Var. alba.

Var. nana.

L. vera, *DC.*; Bentl. & Trim. Medicinal Plants t. 199. Mediterranean region.

L. angustifolia, *Hayne.*

L. officinalis, *Chaix.*

L. pyrenaica, *DC.*

*Elsholtzia polystachya, *Benth.* Temperate Himalaya.
Colebrookia oppositifolia, *Lodd.* Bot. Cab. t. 487.

Thymus azoricus, *Lodd.* Bot. Cab. t. 1530. Azores.

T. Chamaedrys, *Fries*; Eng. Bot. ed. 3, t. 1044. Europe, &c. "Common Thyme."

Var. comosus.
T. comosus, *Heuff.*
T. rotundifolius, *Schur.*
T. transsilvanicus, *Schur.*

Var. montanus.
T. collinus, *Bieb.*
T. montanus, *Waldst. & Kit.*

T. citriodorus, *Schreb.* South Europe.

T. Serpyllum, *L.*; Eng. Bot. ed. 3, t. 1043. Europe, &c.

Var. pulchellus (*Bluff & Fingerh.*).

Var. variegatus.

Var. lanuginosus.
T. lanuginosus, *Mill.*

T. vulgaris, *L.*; Bentl. & Trim. Medicinal Plants t. 205. South Europe. "Garden Thyme."

T. Zygis, *L.*; Laguna Fl. Forest. Esp. ii. t. 70/4. Spain and Portugal.
T. tenuifolius, *Mill.*

Satureia montana, *L.*; Sibth. & Sm. Flora Graeca t. 543. Europe, &c. "Winter Savory."
S. hyssopifolia, *Bert.*
S. Kitaibeli, *Wierzb.*
S. variegata, *Host.*

Satureia montana—*cont.*

Micromeria montana, *Reichb.*

M. variegata, *Reichb.*

Var. **illyrica.**

S. illyrica, *Host.*

Hyssopus officinalis, *L.*; Reich. Fl. Germ. t. 1259. South Europe, &c. "Hyssop."

Var. **decumbens.**

H. decumbens, *Jord. & Fourr.* Icones Fl. Eur. t. 198.

Var. **aristatus.**

H. aristatus, *Godr.*; Jord. & Fourr. Icones Fl. Eur. t. 196.

Micromeria graeca, *Benth.* Mediterranean region.

Satureia graeca, *L.*; Sibth. & Sm. Fl. Graeca t. 542.

S. micrantha, *Hoffmgg. & Link.*

S. nervosa, *Desf.*

Thymus hirtus, *Soland.*

T. micranthus, *Brot.*

M. rupestris, *Benth.* Eastern Europe.

Calamintha rupestris, *Hort.*

Melissa alba, *Waldst. & Kit.* Pl. Hung. t. 205.

Nepeta croatica, *Spreng.*

N. pumila, *Spreng.*

Satureia rupestris, *Wulf.*

S. thymifolia, *Scop.*

Salvia officinalis, *L.*; Bentl. & Trim. Medicinal Plants t. 206. South Europe. "Sage."

Var. flore albo.

Var. variegata.

Rosmarinus officinalis, *L.*; Benth. & Trim. Medicinal Plants t. 207. "Rosemary."

Var. foliis aureis.

*Ballota spinosa, *Link*; Moggridge Flora of Mentone t. 84. Riviera.

Moluccella frutescens, *L.*

*Phlomis fruticosa, *L.*; Bot. Mag. t. 1843. South Europe, &c. "Jerusalem Sage."

P. ferruginea, *Hort.* (not *Tenore*).

*P. lunarifolia, *Sibth. & Sm.*; Bot. Mag. t. 7699. Asia Minor.

Teucrium fruticans, *L.* South Europe, &c.

T. latifolium, *L.*; Bot. Mag. t. 245.

T. tomentosum, *Moench.*

T. Marum, *L.* South-western Europe.

T. maritimum, *Lam.*

T. subspinosum, *Pourr.*

Chamaedrys Marum, *Moench.*

T. montanum, *L.*; Sibth. & Sm. Fl. Graeca t. 534. South Europe, &c.

T. supinum, *L.*

Polium montanum, *L.*

T. Polium, *L.*; Sibth. Fl. Graeca t. 535. Mediterranean region.

Plantaginaceae.

Plantago Cynops, *L.*; Jacq. Fragmenta Botanica t. 81. South Europe.

P. genevensis, *Poir.*

MONOCHLAMYDEAE.

Chenopodiaceae.

Atriplex Breweri, *S. Wats.* California.

A. canescens, *James.* Western North America.

A. confertifolia, *S. Wats.*; U. S. Dep. Agric. Rep. 1887, t. 16. Western United States.

Obione confertifolia, *Torr.*

A. Halimus, *L.*; Sibth. Fl. Graeca t. 962. South Europe, &c. "Tree Purslane."

A. occidentalis, *Hort.*

Chenopodium Halimus, *Thunb.*

A. Nuttallii, *S. Wats.* North-western America.

A. portulacoides, *L.*; Eng. Bot. ed. 3, t. 1208. Europe, &c.

Obione portulacoides, *Moq.*

Halimus portulacoides, *Dum.*

Eurotia ceratioides, *C. A. Mey.* Caucasus, Asia Minor, &c.

Suaeda fruticosa, *Forsk.*; Eng. Bot. ed. 3, t. 1178. Northern temperate regions.

Chenopodium fruticosum, *L.*

Cochliospermum fruticosum, *Lag.*

Salsola fruticosa, *L.*

Schoberia fruticosa, *C. A. Mey.*

Sarcobatus Maximiliani, *Nees.* North America. "Grease-wood."

S. vermiculatus, *Torr.*; Britt. & Br. Illustr. Fl. i. 584, f.

Phytolaccaceae.

*Ercilla volubilis, *A. Juss.* Chili, Peru, &c.

E. spicata, *Moq.*; Hook. Bot. Misc. iii. 169, f. 102.

Bridgesia spicata, *Hook. & Arn.*

Galvesia spicata, *Bert.*

Polygonaceae.

*Eriogonum rubescens, *Greene.* California.

E. suffruticosum, *S. Wats.* Texas.

E. umbellatum, *Torr.* Colorado to Oregon and California.

Atraphaxis buxifolia, *Jaub. & Spach.* Caucasus.

Polygonum buxifolium, *Bieb.*

P. caucasicum, *Hoffm.*

P. crispulum, *Sims* Bot. Mag. t. 1065.

Tragopyrum buxifolium, *Bieb.*

A. lanceolata, *Bunge.* Temperate Asia.

Tragopyrum lanceolatum, *Bieb.*

Polygonella lanceolata, *Meisn.*

A. Muschketowi, *Krassn.*; Bot. Mag. t. 7435. Central Asia.

Tragopyrum lanceolatum *var.* latifolium, *Regel* Gartenflora t. 1344.

A. spinosa, *L.* Orient.

A. Fischeri, *Jaub. & Spach.*

Tragopyrum spinosum, *Presl.*

A. Tournefortii, *Jaub. & Spach* Ill. Plant. Orient. t. 112. Syria.

Polygonum baldschuanicum, *Regel*; Bot. Mag. t. 7544. Bokhara.

P. multiflorum, *Thunb.* China and Japan.

Muehlenbeckia adpressa, *Meisn.* Australia.

Polygonum adpressum, *Labill.*; Bot. Mag. t. 3145.

M. axillaris, *Hook. f.* New Zealand, &c.

M. nana, *Hort.*

M. complexa, *Meisn.* New Zealand.

M. varians, *Meisn.* Origin uncertain.

M. varium, *Hort.*

Brunnichia cirrhosa, *Banks.* Southern United States.

Rayania ovata, *Walt.*

Polygonum claviculatum, *Hort.*

Aristolochiaceae.

Aristolochia californica, *Torr.* California.

***A. altissima**, *Desf.*; Bot. Mag. t. 6586. Sicily and Algeria.

A. Sipho, *L'Hérit.*; Bot. Mag. t. 534. United States.

A. frutescens, *Marsh.*

A. macrophylla, *Lam.*

Siphisia Sipho, *Klotzsch.*

A. tomentosa, *Sims* Bot. Mag. t. 1369. Southern United States.

A hirsuta, *Muhl.*

Siphisia tomentosa, *Rafin.*

Chloranthaceae.

*Chloranthus brachystachys, *Blume*. China, Japan, &c.

Lauraceae.

*Cinnamomum Loureirii, *Nees*. Cochin China. "Nikei."

*Persea Lingue, *Nees*. Chili.

Laurus Lingue, *Ruiz & Pav.*

Sassafras officinale, *Nees*. United States.

S. albidum, *Nees.*

S. Sassafras, *Karst.*; Sargent Silva of North America tt. 304–5.

S. variifolium, *O. Kunze.*

Laurus albida, *Nutt.*

L. diversifolia, *Stokes.*

L. Sassafras, *L.*; Loud. Arb. et Frut. Brit. 684, f. 1333.

L. variifolia, *Salisb.*

Persea Sassafras, *Spreng.*

Tetranthera albida, *Spreng.*

*Litsaea cupularis, *Hemsl.* China.

L. geniculata, *Benth. & Hook. f.* Southern United States. "Pond Spice."

Laurus geniculata, *Michx.*; Bot. Mag. t. 1471.

Tetranthera geniculata, *Nees.*

*L. japonica, *Mirb.* China, Japan, &c.

Tetranthera japonica, *Spreng.*; Sieb. & Zucc. Fl. Jap. t. 87.

Tomex japonica, *Thunb.*

*Umbellularia californica, *Nutt.* California.

Drimophyllum pauciflorum, *Nutt.*

Oreodaphne californica, *Nees*; Bot. Mag. t. 5320.

Tetranthera californica, *Hook. & Arn.*

Lindera Benzoin, *Blume.* United States. "Spice Bush; Benjamin Bush."

Benzoin Benzoin, *Coulter*; Britt. & Br. Illustr. Fl. ii. 98, f.

B. odoriferum, *Nees.*

B. aestivale, *Nees.*

Laurus aestivalis, *L.*

L. Benzoin, *L.*

*L. glauca, *Blume*; Shirasawa Iconogr. Ess. Forest. du Japon t. 44. Japan. "Mura datsi."

*L. hypoglauca, *Maxim.* Japan.

L. obtusiloba, *Blume*; Garden and Forest 1893, 295, f. 42. Japan.

*L. sericea, *Blume.* Japan.

Benzoin sericeum, *Sieb. & Zucc.*

L. triloba, *Blume.* Japan.

Laurus nobilis, *L.*; Bentl. & Trim. Medicinal Plants t. 221. Mediterranean region. "Sweet Bay."

Var. angustifolia.

Proteaceae.

*Grevillea rosmarinifolia, *A. Cunn.*; Bot. Mag. t. 5971. New South Wales.

*G. juniperina, *R. Br.* var. sulphurea, *Benth.* New South Wales.

G. sulphurea, *A. Cunn.*; Lodd. Bot. Cab. t. 1723.

Thymelaeaceae.

Daphne alpina, *L.*; Lodd. Bot. Cab. t. 66. South Europe.

D. candida, *Vitm.*

Thymelaea alpina, *All.*

T. candida, *Scop.*

D. altaica, *Pall.*; Bot. Mag. t. 1875. Siberia.

D. blagayana, *Freyer*; Bot. Mag. t. 7579; Garden 1878, xiv. 200, t. 143. Carniolia.

D. caucasica, *Pall.*; Bot. Mag. t. 7388. Caucasus.

D. euphorbioides, *Pusch.*

D. salicifolia, *Lam.*

D. Cneorum, *L.*; Bot. Mag. t. 313. South Europe, &c. "Garland-flower."

D. odoratum, *Lam.*

Thymelaea Cneorum, *Scop.*

Var. **major.**

Var. **Verloti.** Dauphiny.

D. Verloti, *Gren. & Godr.*; Rev. Hortic. 1901, 304, f. 130.

D. Dauphini, *Hort.* (sericea × odora). Garden origin.

D. Delphini, *Hort.*

D. Delphinium, *Hort.*

D. hybrida, *Lindl.* Bot. Reg. t. 1177.

D. hyemalis, *Hort.*

***Daphne Genkwa**, *Sieb. & Zucc.* Fl. Jap. i. 137, t. 75. China and Japan.

D. Fortunei, *Lindl.*

D. Laureola, *L.*; Bentl. & Trim. Medicinal Plants t. 226. Europe, North Africa, West Asia. "Spurge Laurel."

D. major, *Lam.*

Thymelaea Laureola, *Scop.*

Var. Philippi.

D. Philippi, *Gren. & Godr.* Pyrenees.

Var. purpurea.

D. houtteana, *Planch.*

D. Mezereum foliis atropurpureis. Flore des Serres vi. t. 592.

D. Mezereum *var.* atropurpurea, *Dippel.*

D. Mezereum, *L.*; Bentl. & Trim. Medicinal Plants t. 225. Europe, Siberia. "Mezereon."

Mezereum officinarum, *C. A. Mey.*

Thymelaea Mezereum, *Scop.*

T. praecox, *Gilib.*

Var. flore albo. Garden 1886, xxix. 602, t. 550.

Var. flore albo pleno. Garden 1886, xxix. 602, t. 550.

Var. grandiflora.

D. autumnalis, *Hort.*

***D. odora**, *Thunb.*; Bot. Mag. t. 1587. China and Japan.

D. indica, *Loisel.* (not *L.*).

D. japonica, *Sieb. & Zucc.*

D. sinensis, *Lam.*

D. oleoides, *Schreb.*; Bot. Mag. t. 1917. South Europe, &c.

D. Cneorum maxima, *Hort.*

D. collina *var.* neapolitana, *Lindl.* Bot. Reg. t. 822.

D. delahayana, *Hort.*

D. fioniana, *Hort.*

D. neapolitana, *Lodd.*

D. oleoides—*cont.*

Var. **elegantissima**, *Hort.*

D. neapolitana elegantissima, *Hort.*

D. petraea, *Leybold*; Dippel Laubholzk. iii. 196, f. 102. Tyrol.

D. rupestris, *Facch.*

D. pontica, *L.*; Bot. Mag. t. 1282. Orient.

D. sericea, *Vahl.* South Europe.

D. alpina, *Savi* (not *L.*).

D. australis, *Cyr.*; Bot. Reg. xxiv. t. 56.

D. collina, *Sm.*; Bot. Mag. t. 428.

D. striata, *Tratt.*; Reichb. Fl. Germ. xi. t. 554. Europe.

Dirca palustris, *L.*; Bot. Reg. t. 292. North America. "Leatherwood."

***Edgeworthia chrysantha**, *Lindl.* Bot. Reg. 1847, t. 48. China, Japan.

***Wikstroemia canescens**, *Meissn. var.* **Ganpi**, *Miq.* Japan.

Passerina Ganpi, *Sieb. & Zucc.*

Stellera japonica, *Sieb.*

Elaeagnaceae.

Elaeagnus angustifolia, *L.*; Bot. Reg. t. 1156. Mediterranean region and Orient.

E. argentea, *Moench* (not *Pursh*).

E. flava, *Hort.*

E. hortensis, *Bieb.*

E. incana, *Lam.*

Elaeagnus angustifolia—*cont.*

E. songorica, *Fisch.*

E. spinosa, *L.*

Var. **elliptica.**

Var. **microcarpa.**

E. argentea, *Pursh* ; Wats. Dendr. Brit. ii. t. 161. North America. "Silver Berry."

Shepherdia argentea, *Hort.* (not *Nutt.*).

E. glabra, *Thunb.* China, Japan, &c. "Yama Gumi."

E. tenniflora, *Benth.*

Var. **variegata.**

E. macrophylla, *Thunb.*; Bot. Mag. t. 7638. Japan and Formosa. "Fon Gumi."

E. multiflora, *Thunb.*; Bot. Mag. t. 7341. China, Japan.

E. crispa, *Thunb.*

E. edulis, *Sieb.*

E. longipes, *A. Gray* ; Gard. Chron. 1873, 1114, f. 206.

E. odorata edulis, *Hort.*

E. rotundifolia, *Gagn.*

E. orientalis, *L.*; Pallas Flora Rossica t. 5. Orient.

E. sativa, *Hort.*

E. tomentosa, *Moench.*

Elaeagnus pungens, *Thunb.* China and Japan. "Natsu Gumi."

E. reflexa, *E. Morr. & Decne.*

E. sinensis, *Hort.*

Var. **aurea**, *Hort.*

Var. **aureo-picta.**

Elaeagnus pungens—*cont.*

Var. Simonii.

E. Simonii, *Carr.*

Var. Simonii aureo-variegata.

Var. tricolor, *Hort.*

Var. variegata, *Hort.*

E. umbellata, *Thunb.*; Rev. Hortic. 1901, 85, f. Japan. "Masiro Gumi."

E. conferta, *Hort.*

E. japonica, *Hort.*

E. latifolia, *Hort.* (not *L.*).

E. longipes crispa, *Hort.*

E. parvifolia, *Wall.*; Bot. Reg. xxix. t. 51.

E. tenuifolia, *Hort.* (not *Benth.*).

Hippophae rhamnoides, *L.* Gardeners' Magazine 1894, 791, f. Europe, Temperate Asia. "Sea Buckthorn."

Osyris rhamnoides, *Scop.*

Var. angustifolia.

Var. taurica.

H. salicifolia, *D. Don.* Himalaya.

Shepherdia argentea, *Nutt.*; Gartenflora 1889, 626, f. North America. "Buffalo Berry."

Hippophae argentea, *Pursh.*

Lepargyrea argentea, *Greene*; Britt. & Br. Illustr. Fl. ii. 467, f.

S. canadensis, *Nutt.* North America.

Hippophae canadensis, *L.*

Lepargyrea canadensis, *Greene*; Britt. & Br. Illustr. Fl. ii. 467, f.

Loranthaceae.

Loranthus europaeus, *Jacq.* Flora Austriaca i. t. 30. South Europe and Orient.

Viscum album, *L.*; Gard. Chron. 1873, 1703, f. 340; Garden 1872, ii. 536, ff. Europe, N. Asia. "Mistletoe."

Santalaceae.

Buckleya distichophylla, *Torr.*; Garden and Forest 1890, 236, f. 37. North Carolina.

Berya distichophylla, *Nutt.*

Euphorbiaceae.

Securinega ramiflora, *Muell. Arg.* Eastern Asia.

Flueggea suffruticosa, *Baill.*

Geblera suffruticosa, *Fisch. & Mey.*

Phyllanthus ramiflorus, *Pers.*

Xylophylla ramiflora, *Ait.*

*Sarcococca hookeriana, *Baill.*; Garden 1884, xxv. 359, f. Himalaya.

Buxus balearica, *Lam.* Balearic Islands.

B. sempervirens *var.* gigantea; Nouv. Duham. i. 82, t. 23.

B. Harlandi, *Hance.* China.

B. chinensis, *Hort.*

B. japonica, *Muell. Arg.* Japan.

B. microphylla, *Sieb. & Zucc.* Japan.

B. sempervirens, *L.*; Eng. Bot. ed. 3, t. 1252. Europe, N. Africa, N. & W. Asia.

Var. **arborescens**, *Loud.*

B. arborescens, *Mill.*

Var. **argentea**, *Hort.*

B. argenteo-marginata, *Hort.*

Var. **aurea maculata**, *Hort.*

Var. **aurea pendula**, *Hort.*

Var. **aureo-marginata**, *Hort.*

Var. **elegantissima**, *Hort.*

Var. **Handsworthii**, *Hort.*

Var. **latifolia**, *Hort.*

Var. **latifolia bullata**, *Hort.*

Var. **latifolia macrophylla**, *Hort.*

Var. **latifolia maculata**, *Hort.*

Var. **latifolia nova**, *Hort.*

Var. **longifolia**, *Hort.*

Var. **myosotifolia**, *Hort.*

Var. **myrtifolia**, *Loud.*

B. myrtifolia, *Lam.*

B. sempervirens *var* leptophylla, Nouv. Duham. i. 23, f. 3.

Var. **navicularis**.

B. navicularis, *Hort.*

Var. **pendula**.

Var. **Ponteyi**, *Hort.*

Var. **prostrata**, *Hort.*

Var. **pyramidalis**.

B. Sempervirens—*cont.*

Var. rosmarinifolia, *Baill.*

B. rosmarinifolius, *Hort.*

B. thymifolia, *Hort.*

Var. salicifolia elata.

Var. suffruticosa, *Loud.* "Edging Box."

B. suffruticosa, *Mill.*

Var. undulifolia.

B. wallichiana, *Baill.* Himalaya.

B. himalayensis, *Hort.*

B. longifolia, *Jacquem.*

B. sempervirens *var.* arborea, *Wall.*

Pachysandra procumbens, *Michx.*; Bot. Mag. t. 1964. North America

P. terminalis, *Sieb. & Zucc.* Japan.

Andrachne colchica, *Fisch. & Mey.* Caucasus.

Daphniphyllum macropodum, *Miq.*; Shirasawa Iconogr. Ess. Forest. du Japon t. 54. China and Japan. "Sioumi."

D. glaucescens, *Hort.* (not *Blume*).

D. Teysmanni, *Hort.* (not *Kurz*).

Var. jezoensis.

D. jezoensis, *Hort.*

Var. concolor, *Dippel.*

D. glaucescens *var.* viridis, *Hort.*

Var. variegata.

Urticaceae.

Ulmus alata, *Michx.*; Sargent Silva of North America t. 313. Southern United States. "Wahoo; Winged Elm."

U. americana *var.* alata, *Spach.*

U. pumila, *Walt.* (not *L.*).

U. americana, *L.*; Sargent Silva of North America t. 311. North America. "American or White Elm."

U. alba, *Rafin.*

U. floridana, *Chapm.*

U. mollifolia, *Marsh.*

U. pendula, *Willd.*

Var. pendula.

U. campestris, *L.*; Bentl. & Trim. Medic. Plants t. 232. Europe, North Africa, Siberia. "Common Elm."

U. angustifolia, *Moench.*

U. minor, *Mill.*

U. nana, *Borkh.*

U. nemorosa, *Borkh.*

U. nuda, *Ehrh.*

U. suberosa, *Ehrh.*

U. suberosa *var.* genuina, *Syme* Eng. Bot. ed. 3, t. 1285.

Var. antarctica, *Hort.*

Var. antarctica aurea, *Hort.*

U. campestris *var.* aurea, *Morren* Belg. Hortic. 1866, 356, t. 19.

U. Rosseelsii, *Hort.*

Var. antarctica pendula, *Hort.*

Var. Berardi, *Simon-Louis* Cat. Gen. 1869, f. 7; Dippel Laubholzk. ii. 24, f. 7.

U. campestris—*cont.*

Var. betulaefolia, *Loud.*
U. betulaefolia, *Lodd.*

Var. cretensis, *Hort.*

Var. erecta, *Loud.*

Var. gracilis, *Hort.*

Var. japonica, *Sargent.* Japan.

Var. latifolia variegata, *Hort.*

Var. Louis Van Houtte.

Var. microphylla pendula, *Hort.*

Var. modiolina, *Hort.*

Var. myrtifolia, *Hort.*
V. buxifolia, *Hort.*

Var. pendula nova, *Hort.*

Var. pyramidalis, *Hort.*

Var. sarniensis, *Loud.* "Jersey Elm."
U. sarniensis, *Lodd.*

Var. suberosa, *Loud.* "Cork-barked Elm."
U. suberosa, *Moench.*

Var. suberosa pendula, *Hort.*

Var. tortuosa, *Loud.*
U. tortuosa, *Lodd.*

Var. umbraculifera, *Trautv.*

Var. umbraculifera gracilis.

Var. variegata, *Hort.*

Var. variegata nova, *Hort.*

Var. viminalis, *Loud.*
U. viminalis, *Lodd.*

U. campestris—*cont.*

Var. viminalis stricta, *Hort.*

Var. viminalis variegata, *Hort.*

U. campestris.

Var. viscosa, *Hort.*

Var. webbiana, *Hort.*

Var. Wheatleyi, *Hort.*

U. crassifolia, *Nutt.*; Sargent Silva of North America t. 315. Arkansas, Texas, &c. "Cedar Elm."

U. opaca, *Nutt.*

U. elliptica, *C. Koch*; Dippel Laubholzk. ii. 31, f. 9. Turkestan.

U. Heyderi, *Spaeth.*

U. longifolia, *Hort.*

U. sibirica, *Hort.*

U. fulva, *Michx.*; Sargent Silva of North America t. 314; Bentl. & Trim. Medic. Plants t. 233. North America. "Slippery Elm."

U. americana *var.* fulva, *Loud.*

U. americana *var.* rubra, *Ait.*

U. rubra, *Michx.*

Var. pendula.

U. glabra, *Mill.* Europe.

U. campestris *var.* laevis, *Spach.*

U. carpinifolia, *Lindl.*

U. inaequalis, *Bosc.*

U. montana *var.* glabra, *Loud.*

U. nitens, *Moench.*

U. suberosa *var.* glabra, *Syme* Eng. Bot. t. 1286.

U. glabra—*cont.*

Var. cornubiensis. "Cornish Elm."

U. campestris *var.* cornubiensis, *Loud.*

U. stricta, *Lindl.*

Var. pendula, *Nichols.*

Var. pendula nova, *Hort.*

U. campestris pendula nova, *Hort.*

Var. rubra.

U. corylifolia rubra, *Hort.*

U. montana, *With.*; Eng. Bot. ed. 3, t. 1287; Flora Danica t. 2533. Europe, North Asia. "Scotch or Wych Elm."

U. alba, *Waldst. & Kit.*

U. fulva, *Hort.* (not *Michx.*).

U. major, *Sm.*

U. scabra, *Mill.*

Var. atropurpurea, *Hort.*

Var. aurea, *Hort.*

U. campestris *var.* aurea, *Hort.*

Var. cinerea, *Lavall.*

U. cinerea, *Hort.*

Var. crispa, *Loud.*

U. adiantifolia, *Hort.*

U. asplenifolia, *Hort.*

U. campestris *var.* crispa, *Desf.*

U. campestris *var.* urticaefolia, *Hort.*

U. crispa, *Willd.*

U. effusa crispa, *Hort.*

U. effusa cristata, *Hort.*

U. urticaefolia, *Hort.*

U. montana—*cont.*

Var. cucullata, *Hort.*

Var. Dauvessei, *Hort.*

U. campestris *var.* Dauvessei, *Hort.*

Var. Dovaei, *Hort.*

U. campestris *var.* Dovaei, *Hort.*

U. scabra *var.* Dovaei, *Hort.*

Var. etrusca, *Hort.*

U. campestris *var.* etrusca, *Hort.*

Var. fastigiata, *Loud.* "Exeter Elm; Ford's Elm."

U. Dampieri, *Hort.*

U. exoniensis, *Hort.*

U. Fordi, *Hort.*

U. glabra replicata, *Hort.*

U. montana *var.* pyramidalis, *C. Koch.*

U. ohioensis, *Hort.*

U. plumosa, *Hort.*

Var. fastigiata aurea, *Hort.*

U. Dampieri aurea, *Hort.*

U. Dampieri Wredei, *Hort.*

U. Wredei, *Hort.*

Var. gigantea, *Hort.*

Var. laciniata, *Trautv.*

U. intermedia, *Hort.*

U. montana *var.* tiliaefolia, *Hort.*

U. montana *var.* tricuspis, *Dippel.*

U. montana *var.* tridens, *Hort.*

U. montana *var.* triserrata, *Hort.*

U. triserrata, *Hort.*

Var. latifolia nigricans, *Hort.*

U montana—*cont.*

Var. libro rubro, *Hort.*

Var. lutescens, *Dippel.*

U. campestris *var.* lutescens, *Dieck.*

Var. macrophylla, *Hort.*

U. campestris *var.* macrophylla, *Spach.*

Var. macrophylla fastigiata, *Hort.*

Var. nana.

U. latifolia nana, *Hort.*

Var. nigra, *Loud.* "Black Irish Elm."

U. nigra, *Lodd.*

Var. pendula, *Loud.* Arb. & Frut. Brit. 721, f. 1398.

U. americana pendula, *Hort.*

U. fulva pendula, *Hort.*

U. glabra decumbens, *Hort.*

U. glabra pendula, *Hort.*

U. horizontalis, *Hort.*

Var. pendula variegata, *Hort.*

Var. purpurea.

U. corylifolia purpurea, *Hort.*

Var. scotica, *Hort.*

Var. serpentina, *Hort.*

Var. superba, *Hort.*

Var. vegeta, *Loud.*

U. glabra *var.* vegeta, *Dippel.*

U. parviflora, *Jacq.*; Dippel Laubholzk. ii. 35, f. 11. China and Japan.

U. campestris *var.* chinensis, *Hort.*

U. chinensis, *Pers.*

U. parviflora—*cont.*

U. pumila, *Hort.* (not *L.*).

U. virgata, *Roxb.*

Microptelea parvifolia, *Spach.*

Planera parvifolia, *Sweet.*

U. pedunculata, *Fouger.* Europe, &c.

U. ciliata, *Ehrh.*

U. effusa, *Willd.*; Loud. Encycl. Trees and Shrubs 720, f. 1397; Flora Danica t. 2830.

U. laevis, *Pall.*

U. octandra, *Schkuhr.*

U. racemosa, *Borkh.* (not *D. Thomas*).

U. pinnato-ramosa, *Dieck.* Siberia.

U. pumila, *L.* Northern Asia.

U. Koopmanni, *Hort.*

U. microphylla, *Pers.*

U. racemosa, *D. Thomas*; Sargent Silva of North America t. 312. North America. "Rock Elm."

U. serotina, *Sargent.* Southern United States.

U. turkestanica, *Regel.* Turkestan.

Planera aquatica, *Gmel.*; Sargent Silva of North America t. 316.

Zelkova acuminata, *Planch.*; Shirasawa Iconogr. Ess. Forest. du Japon t. 36. Japan. "Keaki."

Z. Keaki, *Maxim.*; Dippel Laubholzk. ii. 41, f. 15.

Planera acuminata, *Lindl.*

P. cuspidata, *Hort.*

P. japonica, *Miq.*

Ulmus Keaki, *Sieb.*

Zelkova acuminata—*cont.*

U. monumentalis, *Hort.*

Z. crenata, *Spach.* Caucasus.

Z. carpinifolia, *Dippel.*

Abelicea ulmoides, *O. Kuntze.*

Planera carpinifolia, *Wats.* Dendr. Brit. ii. t. 106.

P. crenata, *Desf.*

P. Gmelini, *Hort.* (not *Michx.*).

P. Richardi, *Michx.*

Ulmus polygama, *Rich.*

Var. pendula, *Hort.*

Z. Verschaffelti, *Dippel* Laubholzk. ii. 40, f. 14. East Asia.

Z. japonica *var.* Verschaffelti, *Hort.*

Ulmus pendula laciniata Pitteursii, *Hort.*

Ulmus Verschaeffelti, *Hort.*

Celtis australis, *L.*; Wats. Dendr. Brit. ii. t. 105. Mediterranean region.

C. serrata, *Hort.*

C. caucasica, *Willd.* Caucasus, &c.

C. glabrata, *Stev.* Orient, &c.

C. caucasica, *Hohen.* (not *Stev.*).

C. glabra, *Hort.* (not *Planch.*).

C. kotschyana, *Stev.*

C. Tournefortii *var.* glabrata, *Boiss.*

C. mississippiensis, *Bosc*; Sargent Silva of North America t. 318. South United States. "Sugarberry."

C. Berlandieri, *Klotzsch.*

C. integrifolia, *Nutt.*

C. laevigata, *Willd.*

C. mississippiensis—*cont.*

C. Lindheimeri, *C. Koch.*

C. occidentalis, *Sargent* Garden and Forest iii. 39 (in part), ff. 9, 10, 11.

C. texana, *Scheele.*

C. occidentalis, *L.*; Sargent Silva of North America t. 317. North America. "Hackberry."

C. americana, *Hort.* (not *L.*).

C. audibertiana, *Spach.*

C. cordata, *Pers.*

C. crassifolia, *Lam.*

C. Douglasii, *Planch.*

C. obliqua, *Moench.*

C. procera, *Salisb.*

C. reticulata, *Cooper* (not *Torr.*).

Ulmus cordata, *Hort.*

Var. **grandidentata**, *Dippel.*

C. grandidentata, *Tenore.*

Var. **pumila**, *A. Gray.* South-eastern United States to Utah, &c.

C. sinensis, *Pers.*; Shirasawa Iconogr. des Ess. Forest. du Japon t. 36, ff. 18–21. China and Japan. "Senoki."

C. japonica, *Planch.*

C. Tournefortii, *Lam.* Orient.

C. glabrata, *Hort.* (not *Stev.*).

C. orientalis, *Mill.*

Aphananthe aspera, *Planch.*; Shirasawa Iconogr. des Ess. Forest. du Japon t. 37, ff. 10–20. China and Japan. "Muku."

Celtis Muku, *Sieb. & Zucc.*

Aphananthe aspera—*cont.*

Homoiceltis aspera, *Blume.*

Sponia nudiflora, *Sieb. & Zucc.*

Prunus aspera, *Thunb.*

Broussonetia Kazinoki, *Sieb.*; Icones Horti Thenensis ii. t. 45. Japan.

B. Kaempferi, *Sieb.*

B. Sieboldii, *Blume.*

Morus Kaempferi, *Seringe.*

B. papyrifera, *Vent.*; Bot. Mag. t. 2358. China, Japan, Polynesia, &c.

Morus papyrifera, *L.*

Papyrius japonica, *Poir.*

Var. **cucullata,** *Loud.*

B. cucullata, *Hort.*

B. navicularis, *Lodd.*

B. spathulata, *Hort.*

Var. **laciniata,** *Seringe.*

B. dissecta, *Hort.*

B. heterophylla, *Hort.*

Var. **macrophylla,** *Hort.*

Maclura aurantiaca, *Nutt.*; Gard. Chron. 1894, xvi. 693, f. 88. South United States. "Osage Orange."

M. Calcargothi, *Hort.* (not *A. Cunn.*).

Broussonetia tinctoria, *Torr.* (not *Kunth*).

Toxylon pomiferum, *Rafin.*; Sargent Silva of North America tt. 322, 323.

Var. **inermis,** *André* Revue Hortic. 1896, 33, f. 10.

Morus alba, *L.*; Brandis Forest Flora t. 47. Temperate and subtropical Asia. "White Mulberry."

M. alpina, *Hort.*

Var. **Colombassa**, *Seringe* Description . . des Muriers, t. 14.

M. serotina, *Mart.*

Var. **constantinopolitana**, *Loud.*; Dippel Laubholzk. ii. 11, f. 2.

M. constantinopolitana, *Poir.*

M. byzantina, *Sieber.*

Var. **Gasparini**, *Hort.*

Var. **heterophylla**, *Hort.*

Var **italica**, *Loud.*

M. italica, *Poir.*

Var. **laciniata**, *Hort.*

M. nigra laciniata, *Hort.*

Var. **latifolia**, *Bur.*

M. alba *var.* Lhow, *Seringe.*

M. alba *var.* multicaulis, *Loud.*

M. chinensis, *Lodd.*

M. intermedia, *Perottet.*

M. latifolia, *Poir.* (not *Hort.*).

M. multicaulis, *Perottet.*

M. sinensis, *Hort.*

M. tatarica, *Desf.*

Var. **macrophylla**, *Loud.*

M. alba *var.* latifolia, *Hort.* (not *Poir.*).

M. alba *var.* Moretti, *Seringe.*

M. hispanica, *Hort.*

M. macrophylla, *Moretti.*

M. Moretti, *Audib.*

Morus alba—*cont.*

M. morettiana, *Jacq.*

M. neapolitana, *Hort.*

Var. **pendula**, *Hort.*

Var. **pumila**, *Loud.*

M. alba *var.* nana, *Hort.*

M. pumila, *Balb.*

Var. **rosea**, *Seringe.*

M. lucida, *Hort.*

Var. **stylosa**, *Bureau.*

M. japonica, *Audib.*

Var. **Tokwa**, *Bur.*

M. Tokwa, *Sieb.*

Var. **urticaefolia**, *Hort.*

Var. **venosa**, *Delile*; Dippel Laubholzk. ii. 13, f. 4.

M. alba *var.* fibrosa, *Seringe.*

M. alba *var.* nervosa, *Lodd.*

M. nervosa, *Hort.*

M. Cedrona, *Hort.* Garden origin.

M. globosa, *Rothe* (alba × rubra ?). Garden origin.

M. nigra, *L.*; Wats. Dendr. Brit. ii. t. 159; Bentl. & Trim. Medic. Plants t. 229. Native country unknown. "Black Mulberry."

M. rubra. *L.*; Sargent Silva of North America t. 320. North America. "Red Mulberry."

M. canadensis, *Poir.*

M. missouriensis, *Audib.*

M. rubra—*cont.*

M. pensylvanica, *Nois.*

M. scabra, *Willd.*

M. virginica, *Duham.*

Var. **laciniata.**

M. canadensis *var.* laciniata, *Hort.*

***Ficus Carica,** *L.* ; Trans. Lin. Soc. ser. ii. 3, t. 46 ; Bentl. & Trim. Medic. Plants t. 228. Afghanistan, Eastern Persia. "Common Fig."

F. communis, *Lam.*

F. hirta, *Hort.* (not *Vahl*).

Cudrania triloba, *Hance* ; Icones Plantarum t. 1792. China. "Silkworm Thorn."

C. tricuspidata, *Bureau.*

Maclura tricuspidata, *Carr.* Rev. Hort. 1864, 390, f. 37 ; 1872, 56, f. 7.

Platanaceae.

Platanus acerifolia, *Willd.* ; Jaennicke Die Gattung Platanus t. viii. Orient. "London Plane."

P. algeriensis, *Hort.*

P. californica, *Hort.* (not *Benth.*).

P. hispanica, *Tenore.*

P. integrifolia, *Hort.*

P. intermedia, *Hort.*

P. macrophylla, *Cree.*

P. occidentalis, *Wats.* Dendr. Brit. t. 100 (not *L.*).

P. orientalis *var.* acerifolia *Loud.* Arb. Brit. 928, f. 1733.

P. pyramidalis, *Hort.*

P. racemosa, *Hort.* (not *Nutt.*).

P. vulgaris *var.* acerifolia, *Hort.*

Platanus acerifolia—*cont.*

Var. Süttneri, *Hort.*

P. occidentalis Süttneri, *Hort.*

P. occidentalis argentea variegata.

P. cuneata, *Willd.* Orient.

P. digitata, *Gord.*; Jaennicke Die Gattung Platanus t. ii. f. 13.

P. nepalensis, *Hort.*

P. nepalensis laciniata, *Hort.*

P. orientalis *var.* cuneata, *Loud.* Arb. Brit. 929, f. 1734; Jaennicke Die Gattung Platanus t. iii. ff. 3–7.

P. palmata superba, *Hort.*

P. occidentalis, *L.*; Sargent Silva of North America tt. 326, 327. North America. "Button Wood."

P. vulgaris *var.* angulosa, *Spach.*

P. orientalis, *L.*; Wats. Dendr. Brit. t. 101; Sibth. Flora Graeca t. 945. Orient. "Oriental Plane."

P. heterophylla, *Hort.*

P. liquidambarifolia, *Hort.*

P. vitifolia, *Hort.*

P. vulgaris, *Spach.*

Juglandaceae.

Carya alba, *Nutt.*; Loud. Arb. Brit. iii. 1446, f. 1269. North America. "Shell-bark Hickory."

C. ovata, *C. Koch.*

Hicoria ovata, *Britton*; Sargent Silva of North America tt. 346, 347.

Juglans ovata, *Mill.*

J. squamosa, *Michx. f.*

C. amara, *Nutt.* North America. "Bitter-Nut."

Hicoria minima, *Britton*; Sargent Silva of North America tt. 340, 341.

Juglans alba *var.* minima, *Marsh.*

J. amara, *Michx. f.*

J. angustifolia, *Poir.*

J. cordiformis, *Wangenh.*

C. aquatica, *Nutt.* South United States. "Water Hickory, Bitter Pecan."

Hicoria aquatica, *Britt.*; Sargent Silva of North America t. 344.

C. myristicaeformis, *Nutt.* Southern United States. "Nutmeg Hickory."

Hicoria myristicaeformis, *Britton*; Sargent Silva of North America tt. 342, 343.

H. fernowiana, *Sudworth.*

Juglans myristicaeformis, *Michx. f.*

C. olivaeformis, *Nutt.* Southern United States. "Pecan."

C. angustifolia, *Sweet.*

C. illinoensis, *C. Koch.*

C. tetraptera, *Liebm.*

Hicoria Pecan, *Britton*; Sargent Silva of North America tt. 338, 339.

H. texana, *Le Conte.*

Juglans cylindrica, *Poir.*

J. illinoinensis, *Wangenh.*

J. olivaeformis, *Michx.*

J. Pecan, *Marsh.*

C. porcina, *Nutt.* North America. "Pig-nut."

C. amara *var.* porcina, *Darby.*

C. glabra, *Spach.*

C. porcina—*cont.*

C. obcordata, *Sweet.*

Hicoria glabra, *Britton*; Sargent Silva of North America, tt. 352, 353.

Juglans glabra, *Mill.*

J. obcordata, *Muehlenb. & Willd.*

J. porcina, *Michx.*

J. squamosa, *Poir.* (not *Michx. f.*).

Var. **microcarpa.**

C. microcarpa, *Nutt.*

Hicoria glabra *var.* odorata, *Sargent* Silva of North America, t. 354.

H. microcarpa, *Britton.*

H. odorata, *Dippel.*

Juglans alba *var.* odorata, *Marsh.*

C. sulcata, *Nutt.*; Loud. Arb. Brit. iii. 1448, f. 1271. United States. "Big Shell-bark; King-nut."

C. cordiformis, *C. Koch.*

C. pubescens, *Sweet.*

Hicoria acuminata, *Dippel.*

H. laciniosa, *Sargent* Silva of North America tt. 348, 349.

H. sulcata, *Britton.*

Juglans laciniosa, *Michx. f.*

J. sulcata, *Pursh.*

C. tomentosa, *Nutt.*; Loud. Arb. Brit. iii. 1445, f. 1267. North America.

C. alba, *C. Koch.* (not *Nutt.*).

Hicoria alba, *Britton*; Sargent Silva of North America tt. 350, 351.

Juglans alba, *L.*

J. tomentosa, *Poir.*

Juglans alata, *Carr.* (cinerea × regia), Garden and Forest 1894, 435, f. 69. Garden origin.

J. californica, *S. Wats.*; Sargent Silva of North America t. 337. California.

J. cinerea, *L.*; Sargent Silva of North America tt. 331, 332. North America. "Butternut."

J. cathartica, *Michx. f.*

J. oblonga, *Mill.*

J. oblonga *var.* alba, *Marsh.*

Carya cathartica, *Barton.*

Var. **microcarpa.**

J. cordiformis, *Maxim.*; Shirasawa Iconogr. des Essen. Forest. du Japon t. 17; Gard. Chron. 1901, xxx. Suppl. Oct. 19. Japan.

J. japonica, *Hort.*

J. mandshurica, *Maxim.*; Gard. Chron. 1888, iv. 384, f. 53. Amurland.

J. regia *var.* octogona, *Carr.*

J. nigra, *L.*; Sargent Silva of North America tt. 333, 334. North America. "Black Walnut."

J. Pitteursii, *Morr.*

Var. **racemosa.**

J. pyriformis, *Carr.* (not *Liebm.*). (nigra × regia). Garden origin.

J. hybrida, *Hort.*

J. intermedia, *Lavallée.*

J. regia, *L.*; Loud. Encycl. of Trees and Shrubs 732, f. 1416. Caucasus and Armenia to Himalaya. "Common Walnut."

J. kumaonensis, *Hort.*

Var. **barteriana**, *Hort.*

J. regia—*cont.*

Var. **laciniata**, *Loud.*

J. filicifolia, *Lodd.*

J. heterophylla, *Hort.*

Var. **maxima.**

J. macrocarpa, *Hort.*

Var. **monophylla.**

Var. **pendula.**

Var. **praeparturiens**, *Hort.*

J. fertilis, *Hort.*

J. frutescens, *Hort.*

Var. **racemosa.**

Var. **rubra**, Wien. Illustr. Gart.-Zeit. 1898, t. 1.

J. **rupestris**, *Engelm* ; Sargent Silva of North America t. 335. Western United States.

J. californica, *Rothrock* (not *S. Wats.*).

J. fruticosa, *Hort.*

J. **sieboldiana**, *Maxim.* Japan.

J. ailantifolia, *Carr.* Rev. Hort. 1878, 414, f. 86.

J. mandshurica var. ailantifolia, *Lavallée.*

J. macrophylla, *Hort.*

J. **vilmoriniana**, *Carr.* (? nigra × regia). Garden and Forest 1891, 52, ff. 11, 12.

J. intermedia *var.* vilmoriniana, *Dippel.* Garden origin.

Pterocarya **caucasica**, *C. A. Mey.* ; Gard. Chron. 1894, xvi. 365, f. 47. Caucasus, &c.

P. dumosa, *Lavallée.*

P. fraxinifolia, *Spach* ; Lavall. Arbor. Segrez. t. xxi. ; Gard. Chron. 1888, 380, f. 52.

Pterocarya caucasica—*cont.*

P. pterocarpa, *Kunth.*

P. spachiana, *Lavall.* Arbor. Segrez. t. xx.

Juglans fraxinifolia, *Poir.* (not *Lam.*).

P. rhoifolia, *Sieb. & Zucc.*; Flora Japonica t. 150. Japan.

P. japonica, *Hort.*

P. sorbifolia, *Sieb. & Zucc.*

P. stenoptera, *C. DC.*; Lavall. Arbor. Segrez. t. xix. China.

P. chinensis, *Hort.*

P. laevigata, *Hort.*

P. sinensis, *Hort.*

Myricaceae.

Myrica asplenifolia, *L.* North America.

Comptonia asplenifolia, *Banks*; Wats. Dendr. Brit. t. 166.

M. Comptonia, *C. DC.*

Liquidambar asplenifolium, *L.*

M. californica, *Cham. & Schlecht.*; Journ. Hort. Soc. vii. 283, f. California. "Californian Wax Myrtle."

Gale californica, *Greene.*

M. carolinensis, *Mill.*; Garden and Forest 1894, 477, t. 46. United States.

M. pensylvanica, *Lam.*; Nouv. Duham. ii. 190, t. 55.

M. cerifera, *L.*; Garden and Forest 1894, 476, f. 75. United States, &c. "Wax Myrtle."

M. Gale, *L.*; Engl. Bot. ed. 3, t. 1298. Northern Hemisphere. "Sweet Gale."

Var. tomentosa.

Cupuliferae.

† Betuleae.

Betula alba, *L.* Northern Hemisphere.

B. aetnensis, *Raf.*

B. gummifera, *Bert.*

B. odorata, *Reichb.* (not *Bechst.*).

B. pendula, *Roth.*

B. verrucosa, *Ehrh.*; Engl. Bot. ed. 3, t. 1295.

Varieties of Subspecies.—I. Verrucosa.

Var. dalecarlica.

B. dalecarlica, *L. f.*

B. hybrida, *Blom.*

B. laciniata, *Wahlenb.*

B. lobulata, *C. Anders.*

Var. dentata viscosa.

Var. fastigiata, *Hort.*

Var. oycowiensis, *Regel.*

B. oycoviensis, *Bess.*

Var. pendula, *Hort.* "Weeping Birch."

B. nigra pendula, *Hort.*

B. tristis, *Hort.*

Var. pendula nana, *Hort.*

Var. pendula Youngi, *Hort.* "Young's Weeping Birch."

Var. purpurea, *Hort.*

Var. pyramidalis, *Hort.*

B. pendula *var.* pyramidalis, *Dippel.*

Varieties of Subspecies.—II. Pubescens.

Betula alba—*cont.*

Var. **carpathica**, *C. Koch.*
(pendula × pubescens ? *Koehne*).

Var. **crenata nana**, *Hort.*

Var. **foliis aureis**, *Hort.*

Var. **latifolia.**
B. latifolia, *Tausch.*

Var. **Murithii.**
B. Murithii, *Gaud.*; Bull. Soc. Bot. Suisse 1895, Heft v. 16, f.
B. nigra, *Murith.*

Var. **pontica**, *Hort.*; Loud. Arb. Brit. 838, f. 1527: Wats. Dendr. Brit. t. 94.

Var. **pubescens**, *Loud.*
B. bella, *Hort.*
B. glutinosa, *Wallr.*
B. odorata, *Bechst.*
B. pubescens, *Ehrh.*

Var. **Tauschii**, *Franch. & Savat.*
B. alba *var.* japonica, *Miq.*

Var. **turkestanica Fetisowi**, *Hort.*

Var. **undulata**, *Hort.*

Var. **urticifolia**, *Spach.*
B. heterophylla, *Hort.*
B. urticifolia, *Regel.*
B. virgultosa, *Fries.*

B. alba × humilis, *Zabel.* North Asia.
B. humilis *var.* Zabelii, *Dippel.*

B. alnoides, *Wall.* var. **pyrifolia**, *Franch.* Central China.

B. alpestris, *Fries*; Flora Danica Suppl. t. 37. North Europe.

B. humilis, *Hartm.* (not *Schrank*).

B. corylifolia, *Regel & Maxim.*; Bot. Mag. Jap. 1894, viii. t. 6, ff. 20–22. Japan.

B. davurica, *Pall.* Flora Rossica t. 39, f. a. North Asia, North America.

B. Ermani, *Cham.*; Bot. Mag. Jap. 1894, viii. t. 6, ff. 7–9. Japan.

B. fruticosa, *Pall.* Flora Rossica t. 40, ff. a, b, c. North Europe, North Asia.

Var. **Gmelini**, *Regel.*

B. divaricata, *Ledeb.*

B. Gmelini, *Bunge.*

B. globispica, *Shirai* Bot. Mag. Jap. viii. 1894, t. 6. Japan.

B. grossa, *Sieb & Zucc.*; Shirasawa Iconogr. Ess. Forest. du Japon t. 22. Japan.

B. humilis, *Schrank.* Northern Hemisphere.

B. fruticosa, *Wats.* Dendr. Brit. t. 154 (not *Pall.*).

B. oycowiensis, *Reichb.*

B. Socolowii, *Jacq. f.*

Var. **fastigiata**, *Hort.*

Var. **kamtschatica**, *Hort.*

Var. **Mansfieldi**, *Hort.*

Var. **quebecensis.**

B. quebecensis, *Burgsd.*

B. intermedia, *Thomas*; Flora Danica t. 2852. Alpine and Artic Europe.

B. hybrida *var.* Kochii, *Regel.*

B. lenta, *L.*; Wats. Dendr. Brit. t. 144; Sargent Silva of North America t. 448. North America. "Cherry Birch."

B. carpinifolia, *Ehrh.*

B. nigra, *Du Roi* (not *L.*).

B. lutea, *Michx.*; Sargent Silva of North America t. 449. North America. "Yellow Birch."

B. excelsa, *Pursh.* (not *Ait.*).

B. lenta *var.* lutea, *Regel.*

B. persicifolia, *Hort.*

B. Maximowiczii, *Regel*; Bot. Mag. Jap. viii. 1894, t. 6, ff. 36–8. Japan.

B. Medwediewi, *Regel* Gartenflora 1887, 384, f. Caucasus.

B. nana, *L.*; Engl. Bot. ed. 3, t. 1297. Northern Hemisphere.

B. nigra, *L.*; Wats. Dendr. Brit. t. 153; Sargent Silva of North America t. 452. United States. "Red Birch."

B. angulata, *Lodd.*

B. canescens, *Hort.*

B. flavescens, *Hort.*

B. lanulosa, *Michx.*

B. rubra, *Michx.*

B. occidentalis, *Hook.*; Sargent Silva of North America t. 453. Western North America. "Black Birch."

B. alba *subsp.* occidentalis, *Regel.*

B. papyrifera, *Marsh.*; Sargent Silva of North America t. 451. North America. "Paper Birch; Canoe Birch."

B. alba *var.* papyrifera, *Spach.*

B. amygdalifolia, *Hort.*

B. cordifolia, *Regel.*

B. papyrifera—*cont.*

B. Ermani, *Rothrock* (not *Cham.*).

B. excelsa, *Ait.*

B. glandulosa, *Hort.* (not *Michx.*).

B. grandis, *Schrad.*

B. latifolia, *Hort.*

B. occidentalis, *Lyall* (not *Hook.*).

B. papyracea, *Dryand.*; Wats. Dendr. Brit. t. 152.

B. platyphylla, *Hort.*

B. pyrifolia, *Hort.*

Var **occidentalis**, *Dippel.*

B. americana, *Hort.*

B. papyrifera × pumila. Garden origin.

B. populifolia, *Marsh.*; Sargent Silva of North America t. 450; Wats. Dendr. Brit. ii. t. 151. North America. "Gray Birch."

B. acuminata, *Ehrh.*

B. alba *var.* populifolia, *Spach.*

B. laciniata, *Hort.* (not *Wahlenb.*).

B. populifolia, *Ait.*

B. populifolia pendula, *Hort.*

B. pumila, *L.*; Wats. Dendr. Brit. t. 97. North America. "Low Birch."

B. dahurica, *Hort.* (not *Pall.*).

B. fruticans, *Hort.* (not *Pall.*).

B. nana rotundifolia, *Hort.*

B. rotundifolia, *Hort.*

Var. **fastigiata**, *Hort.*

B. ulmifolia, *Sieb. & Zucc.*; Bot. Mag. Jap. viii. 1894, t. 6, ff. 16–19. Japan, &c.

B. alba *var.* costata, *Hort.*

B. costata, *Trautv.*

B. utilis, *D. Don.* Himalaya, &c.

B. Bhojpattra, *Wall.*

B. Jacquemontii, *Spach.*

Alnus barbata, *C. A. Mey.* (not *Fries*). Caucasus.

A. glutinosa *var.* acutifolia, *Spach.*

A. glutinosa *var.* barbata, *Ledeb.*

A. cordifolia, *Tenore*; Gard. Chron. 1883, xix. 285, f. 42. South Europe.

A. cordata, *Desf.*

A. macrocarpa, *Req.* (not *Lodd.*).

A. neapolitana, *Savi.*

A. rotundifolia, *Bert.*

Betula cordata, *Lois.*

A. firma, *Sieb. & Zucc.*; Dippel Laubholzk. ii. 147, f. 69. Japan.

A. firma *var.* multinervis, *Hort.*

A. glutinosa, *Medic.*; Engl. Bot. ed. 3, t. 1294. Europe, N. Africa, W. & N. Asia. "Common Alder."

A. nigra, *Gilib.*

A. sibirica, *Hort.* (not *Fisch.*).

Var. **aurea**, *Lemaire* Ill. Hortic. 1866. t. 490.

Var. **imperialis**, *Hort.*

A. glutinosa imperialis asplenifolia, *Hort.*; Ill. Hortic. 1859, 97, f.

A. imperialis, *Hort.*

Var. **incisa**, *Willd.*

A. glutinosa *var.* oxyacanthaefolia, *Spach*; Loud. Encycl. Trees and Shrubs, 833, f. 1513.

A. oxyacanthaefolia, *Lodd.*

A. glutinosa—*cont.*

Var. **laciniata**, *Willd.*; Loud. Encycl. Trees and Shrubs 832, f. 1512.

A. glutinosa *var.* pinnatifida, *Spach.*

Var. **pyramidalis**, *Hort.*

A. birkiana, *Hort.*

Var. **quercifolia**. *Willd.*

A. quercifolia, *Willd.*

Var. **rubrinervia**, *Hort.*

Var. **sorbifolia**, *Hort.*

A. incana, *Moench*; Loud. Encycl. Trees and Shrubs 834, f. 1517. Northern temperate regions. "Speckled Alder."

A. autumnalis, *Hort.* (not *Hartig*).

A. lanuginosa, *Gilib.*

A. maritima japonica viridis, *Hort.*

A. serrulata, *Hort.* (not *Willd.*).

Var. **aurea**.

Var. **glauca**, *Regel.*

A. glauca, *Michx.*

A. incana *var.* glabrescens, *Spach.*

A. incana *var.* tirolensis, *Saut.*

Var. **hirsuta**.

A. hirsuta, *Turcz.*

Var. **incisa**, *Hort.*

A. incana pinnatifida, *Hort.*

Betula pinnata, *Lundm.*

Var. **monstrosa**, *Späth.*

Var. **pendula nova**, *Hort.*

Var. **ramulis coccineis**, *Hort.*

A. japonica, *Sieb. & Zucc.*; Garden and Forest 1893, 345, f. 53. Japan.

A. firma, *Hort.* (not *Sieb. & Zucc.*).

A. glutinosa prunifolia, *Hort.*

A. Harinoki, *Siebold.*

A. maritima *var.* japonica, *Regel.*

A. maritima, *Nutt.*; Garden and Forest 1891, 269, f. 47. North America. "Seaside Alder."

A. oblongata, *Dippel*, Laubholzk. ii. 152, ff. 72–3.

A. nitida, *Endl.*; Brandis Forest Flora 461, t. 57; Bot. Mag. t. 7654. Western temperate Himalaya. "Gira."

Clethropsis nitida, *Spach.*

A. oregona, *Nutt.*; Sargent Silva of North America t. 454. Western North America.

A. incana *var.* rubra, *Regel.*

A. rhombifolia, *Hort.* (not *Nutt.*).

A. rubra, *Bongard.*

A. rugosa, *Hort.* (not *Ehrh.*).

A. tinctoria, *Hort.* (in part).

A. orientalis, *Decne.* Orient.

A. macrophylla, *Host.* (in part).

Var. **pubescens.**

A. pubescens, *Tausch.* Europe.

A. autumnalis, *Hort.* (in part).

A. barbata, *Fries* (not *C. A. Mey.*).

A. barbata *var.* pubescens, *Dippel.*

A. glutinosa × incana.

A. incano-glutinosa, *A. Braun.*

A. serrulata, *Hort.* (in part).

A. rhombifolia, *Nutt.*; Sargent Silva of North America t. 456. California, &c. "White Alder."

A. serrulata, *Willd.*; Dippel Laubholzk. ii. 155, f. 75. North America. "Smooth Alder."

A. americana, *Hort.*

A. autumnalis, *Hartig.*

A. canadensis, *Lodd.*

A. fruticosa, *Hort.* (not *Rupr.*).

A. latifolia, *Desf.*

A. macrophylla, *Desf.*

A. rubra, *Desf.*

A. rugosa, *C. Koch*; Britt. & Br. Illustr. Fl. i. 512, f.

A. serrata, *Hort.*

Betula serrulata, *Ait.*

A. subcordata, *C. A. Mey.*; Dippel Laubholzk. ii. 150, f. 70. Caucasus.

A. cordifolia *var.* subcordata, *Regel.*

A. macrophylla, *Hort.* (in part).

A. vilmoriniana, *Hort.*

A. tenuifolia, *Nutt.* Western North America.

A. occidentalis, *Dippel.*

Var. **Purpusi**, *Koehne.* Colorado.

A. incana virescens, *S. Wats.*

A. viridis, *DC.*; Loud. Encycl. Trees and Shrubs 836, f. 1521. Northern regions. "Mountain Elder."

A. Alnobetula, *C. Koch.*; Britt. & Br. Illustr. Fl. i. 512, f.

A. alpina, *Borckh.*

A. crispa, *Pursh.*

A. fruticosa, *Rupr.*

A. mitchelliana, *M. A. Curt.*

A. viridis—*cont.*

A. ovata, *Lodd.* Bot. Cab. t. 1141.
A. undulata, *Willd.*
Alnaster fruticosa, *Ledeb.*
A. viridis, *Spach.*
Betula Alnobetula, *Ehrh.*
B. crispa, *Ait.*
B. ovata, *Schrank*; Wats. Dendr. Brit. t. 96.
B. viridis, *Chaix.*

Var. **parvifolia**, *Dippel.*
A. brembana, *Rota.*

†† CORYLEAE.

Carpinus Betulus, *L.*; Engl. Bot. ed. 3, t. 1293. Europe, W. Asia. "Hornbeam."

Var. **asplenifolia**, *Hort.*
C. Betulus laciniata, *Hort.*

Var. **Carpinizza.**
C. Carpinizza, *Kit.*

Var. **columnaris**, *Hort.*

Var. **incisa**, *Ait.*
C. Betulus *var.* quercifolia, *Desf.*
C. Betulus *var.* heterophylla, *Hort.*
Ostrya quercifolia, *Hort.*

Var. **marmorata**, *Hort.*

Var. **pendula**, *Hort.*

Var. **purpurea**, *Hort.*

Var. **pyramidalis**, *Hort.*

Var. **rubra**, *Hort.*

Var. **variegata**, *Hort.*

C. caroliniana, *Walt.*; Sargent Silva of North America t. 447; Dippel Laubholzk. ii. 141, f. 66. North America. "American Hornbeam."

C. americana, *Michx.*; Wats. Dendr. Brit. t. 157.

C. virginiana, *Michx.* (not *Mill*).

C. cordata, *Blume*; Garden & Forest viii. 295, f. Japan.

Distegocarpus cordata, *A.DC.*

Var. **chinensis**, *Franch.* Central China.

C. japonica, *Blume.* Japan.

C. Carpinus, *Sargent* Forest Flora of Japan f. 21.

Distegocarpus Carpinus, *Sieb. & Zucc.*

C. laxiflora, *Blume*; Shirasawa Iconogr. Ess. Forestières du Japon i. t. 25. Japan.

Var. **macrostachya**, *Oliver.* Central China.

C. orientalis, *Mill.*; Wats. Dendr. Brit. t. 98. South Europe, Orient.

C. duinensis, *Scop.*

C. Turczaninovii, *Hance.* China.

Ostryopsis davidiana, *Decne*; Dippel Laubholzk. ii. 136, f. 65. China, &c.

Ostrya carpinifolia, *Scop.*; Garden, 1877, xii. 372, f. S. Europe, Orient. "Hop Hornbeam."

O. italica, *Spach.*

O. vulgaris, *Willd.*; Wats. Dendr. Brit. t. 143.

Carpinus Ostrya, *L.*

O. japonica, *Sargent* Garden and Forest 1893, 384, f. Japan.

O. virginica, *Willd.* North America. "Ironwood."

O. virginiana, *C. Koch*; Sargent Silva of North America t. 445.

Carpinus triflora, *Moench.*

C. virginiana, *Mill.*

Corylus americana, *Walt.*; Dippel Laubholzk. ii. 131, f. 162. Eastern North America.

C. calyculata, *Dippel*

C. cornuta, *Hort.*

C. humilis, *Willd.*

C. mexicana, *Hort.*

C. rostrata, *Hort.* in part (not *Ait.*).

C. virginiana, *Hort.*

C. virginica, *Hort.*

C. Avellana, *L.*; Engl. Bot. ed. 3, t. 1292. Europe West Asia, &c. "Common Hazel."

C. californica, *Hort.*

Var. **aurea.**

Var. **contorta,** *Hort.*; Gard. Chron. 1874, i. 115, f. 32.

Var. **heterophylla,** *Loud.*

C. heterophylla, *Lodd.*

C. laciniata, *Hort.*

C. urticaefolia, *Hort.*

Var. **pendula.**

Var. **prolifica,** *Hort.*

C. Colurna, *L.*: Wats. Dendr. Brit. t. 99. South-east Europe to Himalaya. "Constantinople Hazel."

C. arborea, *Hort.*

C. arborescens, *Moench.*

C. Colurna—*cont.*

C. bizantina, *Desf.*

C. Jacquemontii, *Decne.*

C. lacera, *Wall.*

C. ferox, *Wall.* var tibetica, *Franch.* Central and Western China.

C. heterophylla, *Fisch.* Japan, &c.

C. americana, *Siebold* (not *Walt.*).

C. Avellana, *Thunb.* (not *L.*).

C. Hasibani, *Siebold.*

C. sieboldiana, *Blume.*

C. tetraphylla, *Ledeb.*

C. Thunbergii, *Blume.*

C. mandshurica, *Maxim.* Amurland, Japan, &c.

C. Avellana *var.* mandshurica, *DC.*

C. maxima, *Mill.* South Europe, &c.

C. Avellana *var.* rubra, *Lam.*

C. Lamberti, *Lodd.*

C. pontica, *C. Koch.*

C. rubra, *Borkh.*

C. tubulosa, *Willd.*

Var. **alba.**

Var. **atropurpurea,** *Dippel.*

C. Avellana *var.* atropurpurea, *Hort.*

C. Avellana *var.* purpurea, *Loud.*

C. purpurea, *Lodd.*

C. tubulosa *var.* atropurpurea.

Var. **barcelonensis,** *Hort.*

C. Avellana *var.* barcelonensis, *Loud.*

C. Avellana *var.* grandis, *Hort.*

C. maxima—*cont.*

Var. **tenuis**, *Hort.*

C. Avellana *var.* tenuis, *Loud.*

C. rostrata, *Ait.*; Garden & Forest 1895, 345, f. 48. North America.

C. cornuta, *Hort.* (in part).

††† Quercineae.

Quercus acuta, *Thunb.*; Woods and Forests 1884, 88, f. Japan. "Akakasi."

Q. angustifolia, *Hort.*

Q. Buergerii, *Blume.*

Q. cuspidata latifolia, *Hort.*

Q. marginata, *Blume.*

Var. **bambusaefolia.**

Q. bambusaefolia, *Mast.*

Q. Aegilops, *L.*; South Europe, Orient. "Valonia Oak."

Q. graeca, *Kotschy* Eichen t. 30.

Q. ventricosa, *Hort.*

Var. **macrolepis**, *Boiss.* Crete, Greece.

Q. macrolepis, *Kotschy* Eichen t. 16.

Var. **Pyrami**, *Boiss.*

Q. Pyrami, *Kotschy* Eichen t. 3.

Var. **Ungeri**, *Boiss.*

Q. Ungeri, *Kotschy* Eichen t. 13.

Q. Vallonea, *A. DC.*

Q. agrifolia, *Nee*; Sargent Silva of North America t. 403. California. "Encina."

Q. arcoglandis, *Kellogg.*

Q. berberidifolia, *Liebm.*

Q. oxyadenia, *Torr.*

Q. alba, *L.*; Sargent Silva of North America tt. 356–7. North America. "White Oak."

Q. alnifolia, *Poech*; Kotschy Eichen t. 6; Garden 1880, xviii. 486, f. Cyprus. "Golden Cyprus Oak."

Q. Cypria, *Jaub. & Spach.* (not *Kotschy*).

Q. Ballota, *Desf.* Spain, Portugal. "Sweet Acorn Oak."

Q. cyclophylla, *Welw.*

Q. Ilex *var.* Ballota, *Dippel.*

Q. rotundifolia, *Lam.*

Q. bicolor, *Willd.* North America. "Swamp White Oak."

Q. bicolor *var.* platanoides, *A. DC.*

Q. castaneaefolia, *Hort.* (not *C. A. Mey.*).

Q. pandurata, *Hort.*

Q. pannosa, *Bosc.*

Q. platanoides, *Sudw.*; Sargent Silva of North America tt. 380–1.

Q. Prinus *var.* bicolor, *Spach.*

Q. Prinus discolor, *Michx.* Hist. Arb. Am. ii. 46. t. 6.

Q. Prinus tomentosa. *Michx.* Hist. Chênes Am. t. 9.

Q. castaneaefolia, *C. A. Mey.*; Kotschy Eichen t. 40. Caucasus.

Q. Cerris, *L.*; Loud. Encycl. 855. ff. South and Eastern Europe, Asia Minor, &c. "Turkey Oak."

Q. Aegilops, *Hort.* (not *L.*).

Q. appennina, *Hort.* (not *Lam.*).

Q. australis, *Hort* (not *Link*).

Q. carlsruhensis, *Hort.*

Q. crinita, *Lam.*

Q. dentata, *Hort.* (not *Thunb.*).

Q. haliphlaeos, *Bosc.*

Q. Pseudo-suber, *Hort.* (not *Desf.*).

Q. Cerris—*cont.*

Q. Ragnal, *Loud.*

Q. Tournefortii, *Willd.*

Var. **austriaca**, *Loud.* Arb. iii. 1848, f. 1708; Encycl. 857, f. 1559.

Q. austriaca, *Willd.*; Kotschy Eichen t. 20.

Var. **cana major**, *Loud.* Encycl. Trees, 857, f. 1560.

Var. **cana minor**, *Hort.*

Var. **crispa.**

Q. Cerris lucombeana crispa.

Var. **fulhamensis**, *Loud.* Arb. iii. 1850; Encycl. Trees 858, f. 1561. "Fulham Oak."

Q. Cerris *var.* dentata, *Wats.* Dendr. Brit. t. 93 (not *Thunb.*).

Q. Cerris hybrida dentata, *Sweet.*

Q. Cerris *var.* subperennis, *A. DC.* (in part).

Var. **fulhamensis latifolia**, *Loud.*

Q. fulhamensis macrophyllus, *Hort.*

Var. **Hentzei.**

Var. **karlsruhensis.**

Var. **laciniata**, *Loud.* Encycl. Trees & Shrubs 856, f. 1558.

Q. asplenifolia, *Hort.*

Q. Cerris dissecta, *Hort.*

Q. Cerris laciniosa, *Hort.*

Q. heterophylla, *Hort.*

Var. **longifolia nova**, *Hort.*

Var. **variegata**, *Lodd.*

Q. Cerris argentea, *Hort.*

Q. Cerris elegantissima, *Hort.*

Q. chrysolepis, *Liebm.*; Sargent Silva of North America t. 398. Oregon, California. "Maul Oak."

Q. crassipocula, *Torr.*

Q. fulvescens, *Kellogg.*

Q. cinerea, *Michx.*; Dippel Laubholzk. ii. 105, f. 47. Southern United States. "Blue Jack."

Q. brevifolia, Sargent Silva of North America t. 431.

Q. humilis, *Walt.* (not *Lam.*).

Q. Phellos *var.* brevifolia, *Lamb.*

Q. Phellos *var.* humilis, *Pursh.*

Q. Phellos *var.* sericea, *Ait.*

Q. coccifera, *L.*; Hook. f. Trans. Linn. Soc. xxiii. t. 37; Laguna Flora Forestal Española t. 37. Mediterranean regon. "Kermes Oak."

Q. kermesina, *Hort.*

Q. coccinea, *Muenchh.*; Sargent Silva of North America tt. 412–3. North America. "Scarlet Oak."

Q. repanda, *Hort.*

Q. conferta, *Kit.*: Gard. Chron. 1876, v. 85, f. 18; Kotschy Eichen t. 14. Italy to Hungary, &c.

Q. Aesculus, *Heuff.* (not *Boiss.*).

Q. Farnetto, *Tenore.*

Q. hungarica, *Hubeny*: Hempel & Wilhelm Die Bäume und Sträucher . . . t. 24.

Q. latifolia dentata, *Hort.*

Q. macranthera, *Hort.* (not *C. A. Mey.*).

Q. pannonica, *Hort.*

Q. sessiliflora *var.* pannonica, *Hort.*

Q. Tenorei, *Hort.*

Q. crispula, *Blume.* Japan. "Nara gasi."

Var. grosseserrata, *Franch. & Savat.*

Q. grosseserrata, *Blume.*

Q. cuneata, *Wangenh.* United States. "Spanish Oak."

Q. digitata, *Sudw.*; Sargent Silva of North America. tt. 420–1.

Q. discolor, *Spach.* (not *Ait.*).

Q. elongata, *Willd.*

Q. falcata, *Michx.*

Q. hudsonica, *Hort.*

Q. nigra *var.* digitata, *Marsh.*

Q. triloba, *Michx.*

Q. cuspidata, *Thunb.*; Sieb. & Zucc. Fl. Jap. t. 2; Gard. Chron. 1879, 233, f. 38. Japan.

Var. variegata. Gard. Chron. 1879, xii. 232, f. 38.

Q. Dalechampii, *Tenore.* South Europe.

Q. Robur *var.* Tenorei, *A. DC.*

Q. densiflora, *Hook. & Arn.*; Sargent Silva of North America t. 438. Oregon, California. "Tan Bark Oak."

Q. echinacea, *Torr.*

Q. dentata, *Thunb.*; Sargent Forest Flora of Japan t. 23. Japan. "Kashiwa."

Q. Daimyo, *Hort.*

Q. obovata, *Bunge.*

Q. pannosa, *Hort.*

Q. Douglasii, *Hook & Arn.*; Sargent Silva of North America t. 386. California. "Blue Oak."

Q. Ransomi, *Kellogg.*

Q. Gambelii, *Nutt.*; Sargent Silva of North America tt. 366–7. Colorado, &c. "Shin Oak."

Q. undulata, *S. Wats.* (in part).

Q. undulata *var.* Gambelii, *Engelm.*

Q. garryana, *Hook.*; Sargent Silva of North America tt. 364–5. North-Western America.

Q. Gilberti, *Greene.*

Q. Jacobi, *R. Br. Campst.*

Q. Neaei, *Liebm.*

Q. georgiana, *M. A. Curt.*; Sargent Silva of North America t. 425. Georgia.

Q. glabra, *Thunb.*; Sieb. & Zucc. Fl. Jap. t. 89; Gard. Chron. 1880, xiv. 785, f. 153. Japan.

Q. latifolia, *Hort.*

Q. glandulifera, *Blume*; Shirasawa Iconogr. Ess. Forest. du Japon t. 26, ff. 13–24. Japan. "Iodame."

Q. dentata Albertii, *Hort.*

Q. glauca, *Thunb.*; Shirasawa Iconogr. Ess. Forest. du Japon t. 32, ff. 14–24. Japan. "Ara kasi."

Q. heterophylla, *Michx. f.*; Sargent Silva of North America t. 436. United States.

Q. aquatica nana, *Hort.*

Q. Phellos × velutina.

Q. Ilex, *L.*: Wats. Dendr. Brit. t. 90. Mediterranean region. "Holm Oak."

Q. pseudococcifera, *Hort.* (not *Desf.*).

Var. **crispa**, *Loud.*

Var. **diversifolia**, *Hort.*

Q. Cerris Lucombeana incisa, *Hort.*

Q. Fordii diversifolia, *Hort.*

Var. **Fordii**, *Hort.*

Var. **Genabii**, *Hort.*

Var. **Gramuntia**, *Hort.*

Q. Cookii, *Loud.*

Q. hispanica, *Cook.*

Q. Ilex—*cont.*

Var. latifolia, *Loud.* Encycl. Trees 881, f. 1610.

Q. Ilex agrifolia, *Hort.*

Q. Ilex oblonga, *Hort.*

Var. **macrophylla**, *Hort.*

Var. **rotundifolia**, *Hort.*

Var. **Smilax**, *Hort.*

Q. ilicifolia, *Wangenh.* Eastern United States. "Bear Oak."

Q. Banisteri, *Michx.*

Q. discolor *var.* Banisteri, *Spach.*

Q. nana, *Sargent* Silva of North America t. 424.

Q. rubra *var.* nana, *Marsh.*

Q. imbricaria, *Michx.*; Sargent Silva of North America t. 432. United States. "Shingle Oak."

Q. Castanea, *Hort.* (not *Née*).

Q. laurifolia, *Hort.* (not *Michx.*).

Q. Phellos *var.* imbricaria, *Spach.*

Q. imbricaria × palustris, *Engelm.* United States.

Q. infectoria, *Oliv.*; Bentl. & Trim. Medicinal Plants t. 249. South-Eastern Europe to Persia.

Q. sericea, *Hort.*

Var. **Cypri**.

Q. Kelloggii, *Newb.* Oregon and California.

Q. californica, *Cooper*; Sargent Silva of North America t. 416.

Q. nigra Barroni, *Hort.*

Q. sonomensis, *A. DC.*

Q. tinctoria *var.* californica, *Torr.*

Q. lanuginosa, *Thuill.* Europe, West Asia.

Q. Aegilops, *Hort.* (not *L.*).

Q. ajudaghensis, *Hort.*

Q. alba de Rousseau, *Hort.*

Q. apennina, *Guss.* (not *Lam.*).

Q. budayana, *Haberl.*

Q. collina, *Schleich.*

Q. conglomerata, *Pers.*

Q. cupaniana, *Guss.*

Q. faginea, *Rohr.* (not *Lam.*).

Q. hartwissiana, *Stev.*

Q. Hentzei, *Hort.*

Q. Pseudo-aegilops, *Hort.*

Q. pubescens, *Willd.*; Hempel & Wilhelm Die Bäume und Sträucher. i. t. 23.

Q. Robur *var.* lanuginosa, *Lam.*

Q. sessiliflora *var.* pubescens, *Loud.*

Q. Streimii, *Heuff.*

Q. villosa, *Hort.*

Var. **dissecta**.

Q. ajudaghensis dissecta, *Hort.*

Var. **pendula**.

Q. laurifolia, *Michx.*; Sargent Silva of North America tt. 429–30. Virginia to Louisiana.

Q. aquatica *var.* laurifolia, *A. DC.*

Q. laurifolia hybrida, *Michx.*

Q. obtusa, *Pursh.*

Q. Phellos *var.* laurifolia, *Chapm.*

Q. leana, *Nutt.* United States.

Q. imbricaria × coccinea, *Engelm.*

Q. imbricaria × velutina, *Sargent* Silva of North America t. 434.

Q. Libani, *Oliv.*; Rev. Hortic. 1872, 155, f. 18. Asia Minor. "Lebanon Oak."

Q. Carduchorum, *Kotschy.*

Q. Libani *var.* calliprinos, *Kotschy.*

Var. **angustifolia.**

Var. **macrocarpa.**

Q. lobata, *Née*; Sargent Silva of North America t. 362. California. "Valley Oak."

Q. Hindsii, *Benth.*

Q. longiglanda, *Frémont.*

Q. lucombeana, *Holw.* Philosophical Transactions 1772, lxii. 306 (abridged edition); Loud. Encycl. Trees 858, f. 1562. "Lucombe Oak." ? Cerris × Suber.

Q. Cerris *var.* subperennis, *A. DC.* (in part).

Q. exoniensis, *Lodd.*

Q. nepaulensis, *Hort.* (not *Desf.*).

Q. Neumanni, *Hort.*

Q. serratifolia, *Hort. Batav.*

Q. lusitanica, *Lam.*; Laguna Flora Forestal Española t. 32. South Europe, Asia Minor.

Q. australis, *Link.*

Q. esculenta, *Hort.*

Q. faginea, *Lam.*

Q. lusitanica, *Webb. var.* Clusii, *A. DC.*

Q. Valentina, *Lam.*

Var. **Boissieri**, *A. DC.*

Q. Boissieri, *Reut.*

Q. rigida, *C. Koch* (not *Willd.*).

Q. lyrata, *Walt.*; Sargent Silva of North America t. 374. Southern United States. "Overcup Oak."

Q. **macedonica**, *A. DC.* Italy to Macedonia, &c.

Q. Aesculus, *Griseb.* (not *L.*).

Q. trojana, *Webb.*

Q. **macranthera**, *Fisch. & Mey.*; Dippel Laubholzk. ii. 72, f. 28. Armenia, &c.

Q. **macrocarpa**, *Michx.*; Sargent Silva of North America tt. 371–3. North America. "Burr Oak."

Q. macrophylla, *Hort.*

Q. ramosa, *Booth.*

Var. **olivaeformis**, *A. Gray.*

Q. olivaeformis, *Michx.*

Q. paludosa, *Hort.*

Q. **macrocarpa** × **Muehlenbergii**. United States.

Q. **marilandica**, *Muenchh.*; Sargent Silva of North America tt. 426–7. United States. "Black Jack."

Q. ferruginea, *Michx.*

Q. nigra, *Wangenh.* (not *L.*).

Q. **Michauxii**, *Nutt.*; Sargent Silva of North America tt. 382–3. Southern United States. "Cow Oak."

Q. bicolor, *A. DC.* (in part).

Q. bicolor *subsp.* Michauxii, *Engelm.*

Q. Prinus, *Walt.* (not *L.*).

Q. Prinus *var.* discolor, *Curtis.*

Q. Prinus *var.* Michauxii, *Chapm.*

Q. Prinus palustris, *Michx.*: Loud. Arb. Brit. iii. 1872, f. 1735.

Q. **Mirbeckii**, *Dur.*: Revue Generale de Botanique iv. t. 1 3. Spain, Portugal and North Africa.

Q. grossedentata, *Hort.*

Q. Mirbeckii—*cont.*

Q. lusitanica *var.* baetica, *Webb.*

Q. Mierbeckii, *Dippel.*

Q. ventricosa, *Hort.*

Q. Zang, *Hort.*

Q. mongolica, *Fisch.*; Dippel Laubholzk. ii. 82, f. 33. Mandshuria, &c.

Q. Muehlenbergii, *Engelm.* United States. "Yellow Oak; Yellow Chestnut Oak."

Q. acuminata, *Sargent* Silva of North America t. 337.

Q. Prinus *var.* acuminata, Michx.

Q. nigra, *L.*; Sargent Silva of North America t. 428. Southern United States. "Water Oak."

Q. aquatica, *Walt.*

Q. hemisphaerica, *Willd.*

Q. nigra *var.* aquatica, *Lam.*

Q. nigra *var.* trifida, *Marsh.*

Q. uliginosa, *Wangenh.*

Q. palustris, *Muenchh.*; Sargent Silva of North America tt. 422–3. United States. "Pin Oak."

Q. rubra *var.* dissecta, *Lam.*

Q. rubra *var.* ramosissima, *Marsh.*

Var. **pendula.**

Q. pedunculata, *Ehrh.*; Engl. Bot. ed. 3, t. 1288. Europe, Asia. "Common Oak."

Q. fructipendula, *Schrank.*

Q. germanica, *Lasch.*

Q. longaeva, *Salisb.*

Q. malacophylla, *Schultz.*

Q. racemosa, *Lam.*

Q. Robur *var.* pedunculata.

Q. pedunculata—*cont.*

Var. **aurea leucocarpa**, *Hort.*

Var. **brutia.**

Q. brutia, *Tenore* Flora Napolitana t. 197.

Var. **columnaris**, *Hort.*

Var. **compacta**, *Hort.*

Var. **Concordia**, *Lem.* Illustr. Hortic. xiv. t. 537.

Q. foliis aureis, *Hort.*

Var. **fastigiata**, *DC.*; Gard. Chron. 1883, xix. 179, f. 26. "Cypress Oak."

Q. cupressoides, *Hort.*

Q. fastigiata, *Lam.*

Q. pyramidalis, *Gmel.*

Var. **fastigiata cucullata**, *Hort.*

Var. **fastigiata excelsa**, *Hort.*

Var. **fastigiata Grangei**, *Hort.*

Var. **fastigiata oxyacanthifolia**, *Hort.*

Var. **fastigiata tortuosa**, *Hort.*

Var. **fastigiata variegata**, *Hort.*

Q. fastigiata foliis punctatis, *Hort.*

Var. **fastigiata viridis**, *Hort.*

Var. **filicifolia**, *Lem.* Illustr. Hortic. 1854, t. "Fern-leaved Oak."

Q. asplenifolia, *Hort.*

Q. pectinata, *Hort.*

Q. pinnata, *Hort.*

Q. taraxacifolia, *Hort.*

Var. **granbyana**, *Hort.*

C. pedunculata—*cont.*

Var. **Haas**, *A. DC.*

Q. Haas, *Kotschy* Eichen, t. 2.

Var. **heterophylla**, *Loud.* Arb. Brit. iii. 1732, ff. 1569–71.

Q. comptoniaefolia, *Hort.*

Q. dissecta, *Hort.*

Q. diversifolia cucullata, *Hort.*

Q. Fennessi, *Hort.*

Q. Fenzleyi, *Hort.*

Q. Hentzii, *Hort.*

Q. incisa, *Hort.*

Q. laciniata, *Hort.*

Q. pedunculata Hodginsii, *Hort.*

Q. salicifolia, *Hort.*

Q. Tenorei, *Hort.*

Var. **latifolia**, *Hort.*

Var. **pendula**, *Loud.* Arb. Brit. iii. 1732. "Weeping Oak."

Q. Dauvessei, *Hort.*

Q. horizontalis, *Hort.*

Q. pendula, *Lodd.*

Q. pendula nova, *Hort.*

Var. **purpurascens**, *DC.*

Q. atropurpurea, *Hort.*

Q. atrosanguinea, *Hort.*

Q. cuprea, *Hort.*

Q. europaea purpurea, *Hort.*

Q. nigra purpurea, *Hort.*

Q. pedunculata nigra, *Hort.*

Q. pedunculata *var.* purpurea, *Loud.*

Q. pedunculata—*cont.*

Q. pedunculata *var.* sanguinea, *Bechst.*

Q. Robur nigra, Flore des Serres t. 1783.

Q. Robur nigricans, *Hort.*

Var. scolopendrifolia, *Hort.*

Var. Thomasii, *Tenore.*

Q. Robur *var.* Thomasii, *A. DC.*

Var. toureauensis, *Hort.*

Var. Trinessi, *Hort.*

Var. umbraculifera, *Hort.*

Var. umbraculifera Ligini.

Var. variegata, *Hort.*

Q. elegantissima, *Hort.*

Q. Phellos, *L.*; Sargent Silva of North America t. 435. United States. "Willow Oak."

Q. Robur microcarpa, *Hort.*

Q. salicifolia, *Hort.* (not *Née.*).

Q. phillyraeoides, *A. Gray*; Shirasawa Iconogr. Essen. Forest. du Japon t. 31, ff. 1–12. Japan.

Q. rotunda, *Hort.*

Var. crispa, *Hort.*

Q. pontica, *C. Koch*; Gartenflora, 1891, 510, f. 95. Lazistan.

Q. prinoides, *Willd.*; Sargent Silva of North America t. 378. United States. "Chincapin Oak."

Q. Chinquapin, *Pursh.*

Q. Muehlenbergii *var.* humilis, *Britton.*

Q. Prinus Chincapin, *Michx.* Hist. Arb. Am. ii. 64. t. 10.

Q. Prinus *var.* humilis, *Marsh.*

Q. Prinus, *L.*; Sargent Silva of North America tt. 375–6. Eastern North America. "Chestnut Oak."

Q. bicolor, *Hort.*

Q. Castanea, *Hort.* (not *Née.*).

Q. castaneaefolia, *Hort.* (not *C. A. Mey.*).

Q. montana, *Willd.*

Q. monticola, *Petz. & Kirchn.*

Q. sericea, *Hort.*

Q. Pseudo-suber, *Santi*; Hempel & Wilhelm Die Bäume und Sträucher des Waldes ii. 82, f. 175. South Europe.

Q. Fontanesii, *Guss.*

Q. hispanica, *Lam.*

Q. pumila, *Walt.*; Sargent Silva of North America t. 404. North Carolina to Florida. "Running Oak."

Q. cinerea *var.* pumila, *Curtis.*

Q. Phellos *var.* nana, *A. DC.*

Q. Phellos *var.* pumila, *Dippel.*

Q. sericea, *Willd.*

***Q. reticulata**, *Humb. & Bonpl.*; Sargent Silva of North America t. 390. Mexico, Arizona, &c.

Q. rubra, *L.*; Sargent Silva of North America tt. 409–10. North America. "Red Oak."

Q. ambigua, *Michx.*

Q. borealis, *Hort.*

Q. coccinea, *Hort.* (not *L.*).

Q. coccinea *var.* ambigua, *A. Gray.*

Q. coccinea *var.* macrophylla, *Hort.*

Q. grayana, *Hort.*

Q. triloba, *Hort.*

Var. **aurea**, *Dippel.*

Q. americana aurea, *Hort.*

Q. rubra—*cont.*

Var. longifolia, *Hort.*

Var. palustrifolia, *Hort.*

Var. pendula.

Q. coccinea pendula, *Hort.*

Var. Schrefeldii, *Dippel.*

Q. serrata, *Thunb.*; Dippel Laubholzk. ii. 101, f. 44. China, Japan, &c.

Q. Bombyx tomentosa, *Hort.*

Q. chinensis, *Bunge.*

Var. pendula.

Q. sessiliflora, *Salisb.*; Engl. Bot. ed. 3, t. 1289. Europe, W. Asia.

Q. acuminata, *Hort.*

Q. aurea, *Wiersb.*

Q. condensata, *Schur.*

Q. pallida, *Heuff.*

Q. pedemontana, *Colla.*

Q. rubens, *Hort.*

Q. sinuata, *Hort.*

Q. Turneri, *Hort.* (not *Willd.*).

Var. afghanistanensis, *Hort.*

Var. alnoides, *Hort.*

Var. cochleata, *Hort.*

Var. devoniana, *Hort.*

Var. dschorochensis.

Q. dschorochensis, *C. Koch.*

Var. falkenbergensis, *Hort.*

Var. geltoviana, *Hort*

Q. sessiliflora—*cont.*

Var. Giesleri, *Hort.*

Var. iberica, *Hort.*

Var. laciniata, *Koehne.*

Var. longifolia, *Lauche.*

Var. mespilifolia, *Wallr.*

Q. Louetti, *Hort.*

Q. Robur Louetti, *Hort.*

Var. rubicunda.

Q. sessiliflora purpurea, *Hort.*

Q. stellata, *Wangenh.* United States. "Post Oak."

Q. alba *var.* minor, *Marsh.*

Q. Drummondii, *Liebm.*

Q. minor, *Sargent* Silva of North America, tt. 368, 369.

Q. obtusiloba, *Michx.*

Q. villosa, *Walt.*

Q. Suber, *L.*; Kotschy Eichen t. 33; Laguna Flora Forestal Española t. 34. South Europe, North Africa. "Cork Oak."

Q. bivioniana, *Guss.*

Q. texana, *Buckl.*; Sargent Silva of North America t. 411. Garden and Forest 1894, 514, ff. 81, 82. United States.

Q. rubra *var.* texana, *Buckl.*

Q. thalassica, *Hance.* Japan.

Q. sieboldiana, *Blume.*

Q. Toza, *Bosc*; Laguna Flora Forestal Española t. 31. South Western Europe.

Q. Brossa, *Bosc.*

Q. Toza—*cont.*

Q. Camata, *Hort.*

Q. lanata, *Hort.* (not *Sm.*).

Q. pubescens, *Brot.* (not *Willd.*).

Q. pyrenaica, *Willd.*

Q. ramosa, *Hort.*

Q. stolonifera, *Lapeyr.*

Q. Tauzin, *Pers.*

Var. **splendens**, *Hort.*

Q. Turneri, *Willd.* Garden Origin. Ilex × pedunculata or Cerris?

Q. austriaca hybrida, *Hort.*

Q. austriaca sempervirens, *Hort.*

Q. austriaca splendens, *Hort.*

Q. Cerris austriaca sempervirens, *Hort.*

Q. glandulifera, *Mast.* Gard. Chron. 1880, xiv. 714, f. 134 (not *Blume.*).

Q. hybrida, *Hort.*

Q. sclerophylla, *Hort.* (not *Lindl. & Paxt.*).

Q. sempervirens, *Hort.*

Q. undulata, *Torr.*; Sargent Silva of North America t. 385. Western North America. "Scrub Oak."

Q. Emoryi, *Porter & Coulter* (not *Torr.*).

Q. Fendleri, *Liebm.*

Q. grisea, *Liebm.*

Q. oblongifolia, *Torr.*

Q. pungens, *Liebm.*

Q. variabilis, *Blume*; Shirasawa Iconogr. Ess. Forest. du Japan t. 28. Japan.

Q. velutina, *Lam.*; Sargent Silva of North America tt. 414, 415. North America. "Yellow Bark Oak."

Q. coccinea *var.* tinctoria, *A.DC.*

Q. discolor, *Ait.*

Q. flaccida, *Hort.*

Q. nigra, *Du Roi* (not *L.*).

Q. sericifolia, *Hort.*

Q. tinctoria, *Michx.*

Q. vibrayana, *Franch & Savat.* Japan.

Q. bambusaefolia, *Fortune* (not *Hance*).

Q. virginiana, *Miller*; Sargent Silva of North America tt. 394–6. Southern United States.

Q. sempervirens, *Walter* (not *Miller.*).

Q. virens, *Ait.*

Var. **angustifolia.**

Var. **rubrifolia.**

Q. Wislizeni, *A.DC.*; Sargent Silva of North America t. 406. California.

Castanopsis chrysophylla, *A.DC.*; Sargent Silva of North America t. 439. California and Oregon. "Golden-leaved Chestnut."

Castanea chrysophylla, *Hook.* Bot. Mag. t. 4953.

C. sempervirens, *Kellogg.*

Castanea crenata, *Sieb. & Zucc.*; Dippel Laubholzk. ii. 56, f. 23. Japan. "Japanese Chestnut."

C. chinensis, *Hassk.* (not *Spreng.*).

C. pumila, *Hassk.* (not *Mill.*).

C. stricta, *Sieb. & Zucc.*

C. japonica, *Blume.*

C. vulgaris *var.* japonica, *A.DC.*

C. dentata, *Borkh.*; Sargent Silva of North America tt. 440, 441. North America. "American Chestnut."

C. americana, *Rafin.*

C. sativa *var.* americana, *Sargent.*

C. vesca *var.* americana, *Michx.*

C. vulgaris *var.* americana, *A.DC.*

C. pumila, *Mill.*; Sargent Silva of North America tt.442–3; Loud. Encycl. Trees 914, ff. 1707–8. Southern Pennsylvania to Northern Florida. "Chinquapin."

Fagus pumila, *L.*

C. sativa, *Mill.* South Europe, North Africa, Orient. "Sweet Chestnut."

C. vesca, *Gaertn.*; Loud. Encycl. Trees 913, f. 1706.

C. vulgaris, *Lam.*

Var. **albo-marginata,** *Hort.*

Var. **asplenifolia,** *Hort.*

Var. **aureo-marginata,** *Hort.*

Var. **crispa,** *Hort.*

Var. **downtoniana,** *Hort.*

Var. **filipendula,** *Hort.*

Var. **glaberrima,** *Hort.*

Var. **heterophylla,** *Hort.*

Var. heterophylla dissecta, *Hort.*

Var. **laciniata,** *Hort.*

Var. **maculata,** *Hort.*

Var. **monstrosa,** *Dippel.*

C. bullata, *Hort.*

C. cochleata, *Hort.*

C. cucullata, *Hort.*

C. sativa—*cont.*

Var. Moorei, *Hort.*

Var. prolifera, *C. Koch.*

Var. pyramidalis, *Hort.*

Fagus ferruginea, *Ait.*; Dippel Laubholzk. ii. 53, f. 22. North America. "American Beech."

F. americana, *Sweet*; Sargent Silva of North America t. 344.

F. atropunicea, *Sudworth.*

F. caroliniana, *Loud.*

F. nigra, *Rafin.*

F. rotundifolia, *Rafin.*

Var. latifolia, *Hort.*

Var. macrophylla, *Hort.*

F. sylvatica, *L.*; Engl. Bot. ed. 3, t. 1291. Europe, Asia Minor, &c. "Common Beech."

Var. asiatica.

Var. atropurpurea, *Hort.*

Var. aurea Spæthii, *Hort.*

Var. aureo-variegata, *Hort.*

Var. castaneaefolia, *Hort.*

Var. cochleata, *Hort.*

F. ferruginea cochleata, *Hort.*

Var. conglomerata, *Hort.*

Var. cristata, *Lodd.*; Loud. Encycl. Trees 906, f. 1694.

F. sylvatica crispa, *Hort.*

Var. cuprea, *Lodd.* "Copper Beech."

Var. grandidentata, *Hort.*

F. sylvatica—*cont.*

Var. heterophylla, *Loud.* Encycl. Trees 906, ff. 1692–3.

F. comptoniaefolia, *Hort.*

F. incisa, *Hort.*

F. laciniata, *Hort.*

F. salicifolia, *Hort.*

F. sylvatica asplenifolia, *Lodd.*

Var. macrophylla, *Hort.*

F. latifolia, *Hort.*

F. monstrosa latifolia, *Hort.*

Var. miltonensis, *Hort.*

Var. nana pendula, *Hort.*

Var. nigra, *Hort.*

Var. norwegiensis, *Hort.*

Var. pagnyensis, *Hort.*

Var. pendula, *Lodd.*

Var. pendula bornyensis, *Hort.*

Var. purpurea, *Ait.* "Purple Beech."

Var. purpurea major, *Hort.*

Var. purpurea nova, *Hort.*

Var. purpurea pendula, *Hort.* "Weeping Purple Beech."

Var. quercoides, *Pers.*

F. quercifolia, *Hort.*

Var. remillyensis, *Hort.*

Var. retroflexa, *Hort.*

Var. Sieboldii, *Maxim.*; Shirasawa Iconogr. Essen. Forest. du Japon t. 25. Japan.

F. Sieboldii, *Endl.*

F. sylvatica—*cont.*

Var. **tortuosa**, *Hort.*

Var. **tricolor**, *Hort.*

Var. **undulata**, *Hort.*

Var. **variegata**, *Hort.*

Var. **Zlatia**, *Spaeth.* "Golden Beech."

Salicaceae.

Salix adenophylla, *Hook.*; Kong. Svensk. Vet.-Akad. Handl. vi. t. 8, f. 95. Labrador.

S. alba, *L.*; Eng. Bot. ed. 3, t. 1309. Europe, Asia, North Africa. "White Willow."

Var. **argentea.**

S. alba leucophylla, *Hort.*

S. argentea, *Wimm.*

S. leucophylla, *Hort.*

S. regalis, *Hort.*

S. splendens, *Bray.*

Var. **britzensis**, *Spaeth.*

Var. **caerulea** *Syme* Eng. Bot. ed. 3, t. 1310.

S. caerulea, *Sm.*

Var. **caerulea pendula.**

Var. **vitellina**, *W. Koch*; Eng. Bot. ed. 3, t. 1311.

S. vitellina, *L.*

Var. **vitellina pendula nova.**

S. alpigena, *Kern.* Tyrol, &c.

S. ambigua, *Ehrh.*; Eng. Bot. ed. 3, t. 1355. Europe.
S. repens × aurita.
S. spathulata, *Willd.*
S. versifolia, *Wahlenb.*

S. angustifolia, *Willd.* (not *Wulf.*). Caucasus, North Asia.

S. Arbuscula, *L.*; Kong. Svensk. Vet.-Akad. Handl. vi. t. vii. f. 80. Europe, North Asia.
S. carinata, *Sm.*

Var. prunifolia, *Syme* Eng. Bot. ed. 3, t. 1372.
S. prunifolia, *Sm.* Eng. Bot. t. 1361.

S. arctica, *Pall.*; Flora Danica t. 2488. Arctic regions.

S. aurita *L.*; Forbes Salict. Woburn. t. 124. Europe, North Asia.

S. aurita-incana, *Wimm.* Europe.
S. reticulata, *Hort.* (not *L.*).

S. aurita-Lapponum. Europe.
S. Lapponum × aurita.

S. aurita × Myrsinites. Europe.
S. saxetana, *F. B. White.*

S. aurita × phylicifolia. ♂. Europe.

S. aurita × repens. Europe.

S. aurita × viminalis. Europe.
S. fruticosa, *Doell.*

S. babylonica, *L.*; Forbes Salict. Woburn. t. 22. Japan. "Weeping Willow."
S. japonica, *Blume* (not *Thunb.*).
S. neapolitana, *Hort.*

S. babylonica—*cont.*

S. pendula, *Moench.*

S. perpendens, *Ser*

S. riparia, *Hort.* (not *Willd.*).

Var. annularis.

S. annularis, *Forbes* Salict. Woburn. t. 21.

S. crispa, *Hort.*

Var. ramulis aureis.

Var. Salamoni, *Hort.*

S. caesia, *Vill.* Mountains of Switzerland, Tyrol, and South-western Europe.

S. myrtilloides, *Forbes* Salict. Woburn. t. 66 (not *L.*).

S. prostrata. *Ehrh.*

S. Zabeli pendula, *Hort.*

S. candida, *Fluegge* ; Forbes Salict. Woburn. t. 91. North America. "Sage Willow."

S. incana, *Michx.* (not *Schrank*).

S. nivea, *Sm.*

S. tomentosa, *Schrad.*

S. Caprea, *L.* ; Forbes Salict. Woburn. t. 122 ; Eng. Bot. ed. 3, t. 1331. Europe, North Asia. "Common Sallow, Goat Willow."

S. aurigerana, *Lapeyr.*

S, hybrida, *Vill.*

S. tomentosa, *Ser.*

S. ulmifolia, *Thuill.*

Var. pendula, *Hort.*

S. Kilmarnocki, *Hort.*

S. Caprea × **cinerea.** Europe.

S. moschata, *Hort.*

S. Reichardti, *Kern.*

S. cernua, *Linton*. Europe.

S. herbacea × repens.

S. cinerea, *L.*; Eng. Bot. ed. 3, t. 1327. Europe, North and West Asia.

S. acuminata, *Hoffm.*

S. dumetorum, *Suter.*

S. oleifolia, *Sm.* (not *Vill.*).

S. polymorpha, *Host.*

S. rufinervis, *DC.*

Var. **aquatica**, *Syme* Eng. Bot. ed. 3, t. 1328.

S. aquatica, *Sm.*

Var. **Medemii**, *Boiss.*

S. Medemii, *Boiss.*

Var. **tricolor**, *Dippel.*

S. Caprea tricolor, *Hort.*

S. cinerea-repens, *Wimm.* Europe.

S. repens × cinerea.

S. commutata, *Bebb.* North-western United States.

S. Hookeriana, *Hort.* (not *Barratt*).

S. cordata, *Muhl.*; Dippel Laubholzk. ii. 283, f. 134. Northern and Arctic America.

Var. **glaucophylla**, *Bebb.*

Var. **rigida**, *Anderss.*

S. cordata-rigida, *A. Gray.*

S. myricoides, *Muhl.*

S. rigida, *Willd.*

Var. **sericea**, *Anderss.*

Var. **vestita**, *Anderss.*

S. coriacea, *Forbes* Salict. Woburn. t. 112. Europe.
S. nigricans × aurita.

S. Cotteti, *Lagg.* Tyrol.
S. retusa *var.* nigrescens, *Kern.*

S. cuspidata, *Schultz.*; Dippel Laubholzk. ii. 216, f. 109. Europe.
S. fragilis-pentandra, *Weinm.*
S. Meyeriana, *Rostkov.*; Forbes Salict. Woburn. t. 33.
S. pentandra-fragilis, *Wimm.*
S. Pockornyi, *Kern.*

S. daphnoides, *Vill.*; Flora Danica t. 2919. Europe, &c. "Violet Willow."
S. aglaia, *Hort.*
S. bigemmis, *Hoffm.*
S. glauca, *Hort.* (not *L.*).
S. jaspidea, *Hort.*
S. pomeranica, *Willd.*
S. praecox, *Hoppe*; Forbes Salict. Woburn. t. 26.

Var. **acutifolia,** *Anderss.*
S. acutifolia, *Willd.*
S. caspica, *Hort.*
S. daphnoides *var.* angustifolia, *Weinm.*
S. pruinosa, *Wendl.*
S. violacea, *Forbes* Salict. Woburn. t. 25.

S. decipiens, *Hoffm.*; Forbes Salict. Woburn. t. 29. Europe.
S. fragilis *var.* decipiens, *Koch.*
S. triandra × fragilis, *F. B. White.*

S. discolor, *Muhl.*; Sargent Silva of North America t. 478. North America.
S. sensitiva, *Barratt.*

S. doniana, *Sm.* Engl. Bot. t. 2559. Europe.

S. parviflora, *Host.*

S. purpurea-repens, *Wimm.*

S. repens-purpurea, *Weinm.*

S. elegantissima, *C. Koch*; Semaine Horticole 1898, 363. Origin uncertain.

S. americana pendula, *Hort.*

S. babylonica femina, *Hort.*

S. fragili-babylonica, *Regel.*

S. sibirica, *Hort. aliq.*

S. Sieboldi, *Hort.*

S. Erdingeri, *Kerner* (Caprea × daphnoides). Europe.

S. fragilis, *L.*; Engl. Bot. ed. 3, t. 1306. Europe, N. and W. Asia. "Crack Willow."

S. bigemmis, *Hort.* (not *Hoffm.*).

S. cerasifera, *Hort.* (not *Schleich.*).

S. conformis, *Hort.*

S. mascula, *Hort.*

S. meyeriana, *Willd.*

S. monandra, *Hort.* (not *Hoffm.*).

S. russelliana, *Sm.*

S. serrulata, *Hort.* (not *Willd.*).

S. silesiaca, *Hort.* (not *Willd.*).

Var. **basfordiana.**

S. basfordiana, *Salter* Gard. Chron. 1882, xvii. 298, ff. 41–2.

S. sanguinea, *Scaling.*

Var. **latifolia**, *Anderss.*

S. ammaniana, *Hort.* (not *Willd.*).

S. excelsa, *Tausch.*

S. monspeliensis, *Forbes* Salict. Woburn. t. 30.

S. glauca, *L.* (not *Sm.*). Alpine and Arctic regions of northern hemisphere.

S. sericea, *Forbes* Salict. Woburn. t. 74.

S. gracilistyla, *Miq.* Japan.

S. mutabilis, *Hort.*

S. Grahami, *Borr.*; Engl. Bot. ed. 3, t. 1377. Scotland.

S. herbacea × phylicifolia?

S. hastata, *L.*; Forbes Salict. Woburn. t. 35. Mountains of Europe and N. Asia.

S. cerasifolia, *Schleich.*

S. elegans, *Host.*

S. eriantha, *Schleich.*

S. malifolia, *Sm.*; Forbes Salict. Woburn. t. 36.

S. Pontederae, *Vill.*

S. pontederana, *Loisel.* (not *Willd.*).

S. serrulata, *Willd.*

S. viburnoides, *Schleich.*

S. herbacea, *L.*; Eng. Bot. ed. 3, t. 1378. Mountains of northern hemisphere.

S. herbacea × lanata. Europe.

S. hexandra, *Ehrh.*; Kong. Svensk. Vet.-Akad. Handl. iii. f. 27. Europe.

S. pentandra × alba.

S. hippophaifolia, *Thuill.*; Coss. Flore de Paris t. 28, f. Europe.

S. alba *var.* hippophaifolia, *Ser.*

S. multiformis, *Doell. var.* hippophaifolia, *Anderss.*

S. triandra-viminalis, *Wimm.*

S. virescens, *Forbes* (not *Vill.*); Loud. Arb. Brit. iii. 1531.

S. hookeriana, *Barratt*; Sargent Silva t. 485; Dippel Laubholzk. ii. 303, f. 142. N. America.

S. humilis, *Marsh.*; Dippel Laubholzk. ii. 268, f. 128. N. America. "Prairie Willow."

S. conifera, *Muhl.*

S. muehlenbergiana, *Barratt.*

S. recurvata, *Pursh.*

S. incana, *Schrank*; Forbes Salict. Woburn. t. 90. Europe.

S. angustifolia, *Poir.*

S. cyllenea, *Boiss.*

S. Elaeagnos, *Scop.*

S. lavandulaefolia, *Lapeyr.*

S. linearis, *Forbes* Salict. Woburn. t. 89.

S. Reginae, *Hort.*

S. riparia, *Willd.*

S. rosmarinifolia, *Gouan* (not *L.*).

S. viminalis, *Balb.* (not *L.*).

S. japonica, *Thunb.* Japan.

S. babylonica *var.* japonica, *Anderss.*

Var. Lavalléei.

S. lanata, *L.*; Forbes Salict. Woburn. t. 71; Engl. Bot. ed. 3, t. 1367. Northern and Arctic Europe, &c.

S. chrysantha, *Vahl.*

S. lanuginosa, *Pall.*

S. Lapponum, *L.*; Forbes Salict. Woburn. t. 73. Mountains of Europe and N. Asia.

S. arenaria, *Willd.*

S. elaeagnifolia, *Forbes* Salict. Woburn. t. 69.

S. glauca, *Sm.* Engl. Bot. t. 1810.

S. glaucophylla, *Bess.*

S. Lapponum—*cont.*

S. lactea, *Bray.*

S. leucophylla, *Willd.*

S. limosa, *Wahlenb.*

S. nitens, *Gilib.*

S. sudetica, *Host.*

S. stuartiana, *Forbes* Salict. Woburn. t. 72.

Var. **helvetica**, *F. B. White.*

S. helvetica, *Vill.*

S. nivea, *Ser.*

S. tomentosa, *Hort.* (not *Schrad.*).

S. Lapponum-phylicifolia, *Linton.* Europe.

S. lasiandra, *Benth.*; Sargent Silva of North America t. 469. Western United States.

S. arguta *var.* lasiandra, *Anderss.*

S. hoffmanniana, *Hook. & Arn.* (not *Sm.*).

S. laurina, *Sm.*; Engl. Bot. ed. 3, t. 1333. Europe.

S. bicolor, *Sm.* Engl. Bot. t. 1806.

S. bicolor × Caprea ?

S. discolor, *Hort.* (not *Muhl.*).

S. phylicifolia × Caprea ?

S. lutescens, *Kern.* Europe.

S. aurita-cinerea, *Wimm.*

S. multinervis, *Doell.*

S. lucida, *Muhl.*; Sargent Silva of North America t. 473; Loud. Arb. Brit. iii. 1504, f. 1301. North America. "Shining Willow."

S. myricoides, *Hort.* (not *Muhl.*).

S. Myrsinites, *L.*; Engl. Bot. ed. 3, t. 1375; Flora Danica t. 1054. Northern hemisphere.

S. alpina, *Scop.*

S. Myrsinites—*cont.*

S. arbutifolia, *Ser.*

S. dubia, *Suter.*

S. rectijulis, *Trautv.*

Var. **jacquiniana**, *Anderss.* Austrian Alps.

S. jacquiniana, *Willd.*

S. Jacquinii, *Host.*

Var. **latifolia**, *Anderss.*

S. procumbens, *Forbes* Salict. Woburn. t. 61.

S. retusa, *With.* (not *L.*).

S. Myrsinites × nigricans. Europe.

S. Myrsinites-nigricans, *Wimm.*

S. punctata, *Wahl.*

S. Wahlenbergii, *Anderss.*

S. Myrsinites × phylicifolia. Europe.

S. myrtilloides, *L.*; Kong. Svensk-Vet.-Akad. vi. t. 5, f. 53. Northern Hemisphere.

S. elegans, *Bess.*

Var. **pedicellaris**, *Anderss.* North America.

S. Nicholsoni, *Dieck.* North America.

S. myricoides × nigra? *Koehne.*

S. nigra × myricoides (cordata)? *Dieck.*

Var. **purpurascens**, *Dieck.*

S. nigra, *Marsh.*; Sargent Silva t. 462. North America. "Black Willow."

S. ambigua, *Pursh.*

S. caroliniana, *Michx.*

S. nigra—*cont.*

S. flavo-virens, *Hornem.*

S. houstoniana, *Pursh.*

S. ligustrina, *Michx. f.*

Var. **falcata.**

S. nigricans, *Sm.* Alps of North and Central Europe.

S. phylicifolia *var.* nigricans, *F. B. White.*

Var **andersoniana,** *Syme* Engl. Bot. ed. 3, t. 1351.

S. andersoniana, *Forbes* Salict. Woburn. t. 109.

Var. **ansoniana.**

S. ansoniana, *Forbes* Salict. Woburn. t. 107.

Var. **atrovirens.**

S. atrovirens, *Forbes* Salict. Woburn. t. 108.

Var. **australis.**

S. australis, *Forbes* Salict. Woburn. t. 103.

Var. **cotinifolia,** *Syme* Engl. Bot. ed. 3, t. 1348.

S. cotinifolia, *Sm.* Engl. Bot. t. 1403.

Var. **damascena,** *Syme* Engl. Bot. ed. 3, t. 1352.

S. damascena, *Forbes.*

Var. **firma.**

S. firma, *Forbes* Salict. Woburn. t. 106.

Var. **forsteriana,** *Syme* Engl. Bot. ed. 3, t. 1349.

S. forsteriana, *Sm.* Engl. Bot. t. 2344.

Var. **grisonensis.**

S. grisonensis, *Forbes* Salict. Woburn, t. 99.

Var. **helvetica.**

S. helvetica, *Forbes* (not *Vill.*).

Var. **hirta,** *Syme* Engl. Bot. ed. 3, t. 1354.

S. hirta, *Sm.* Engl. Bot. t. 1404.

S. nigricans—*cont.*

Var. **lacustris.**

S. lacustris, *Forbes.*

Var. **menthifolia,** *Host.*

Var. **moabitica,** *K. Bolle.*

Var. **petraea,** *Syme* Engl. Bot. ed. 3, t. 1353.

S. petraea, *Anderss.*; *Sm.* Engl. Bot. t. 2725.

Var. **prunifolia,** *Hort.*

Var. **rivularis.**

S. rivularis, *Forbes* Salict. Woburn. t. 102.

Var. **rotundifolia.**

S. rotundata, *Forbes* Salict. Woburn. t. 104.

Var. **rupestris,** *Syme* Engl. Bot. ed. 3, t. 1350.

S. rupestris, *Donn*; *Sm.* Engl. Bot. t. 2342.

Var. **strepida.**

S. nigricans × cinerea.

S. strepida, *Forbes* Salict. Woburn. t. 100.

Var. **stylaris.**

S. stylaris, *Ser.*

Var. **vallesiaca,** *Hort.*

Var. **vaudensis.**

S. vaudensis, *Forbes* Salict. Woburn. t. 117.

Var. **viburnoides,** *Hort.*

S. nigricans × phylicifolia. Europe.

S. patula, *Seringe.* Europe.

S. aurita-incana.

S. holosericea, *Hort.* (not *Willd.*).

S. incana-aurita, *Wimm.*

S. Patula—*cont.*

S. micheliana, *Hort.* (not *Forbes*).

S. oleaefolia, *Anderss.*

S. oleifolia, *Forbes* Salict. Woburn. t. 96.

S. salviaefolia, *Link.*

S. Paulinae, *Suenderm.* Fimberthal, North-west Tyrol.

S. reticulata × Myrsinites ?

S. pentandra, *L.*; Forbes Salict. Woburn. t. 34. Europe, North Asia. "Bay-leaved Willow."

S. humboldtiana, *Hort.* (not *Willd.*).

S. lucida, *Forbes* Salict. Woburn. t. 32 (not *Muhl.*).

S. meyeriana, *Borrer* (not *Willd.*).

S. petiolaris, *Sm.*; Forbes Salict. Woburn. t. 23; Dippel Laubholzk. ii. 260, f. 121. North America.

S. discolor, *Hort.* (not *Muhl.*).

S. fuscata, *Pursh.*

Var. **sericea**, *Anderss.* "Silky Willow."

S. grisea, *Willd.*

S. petiolaris *var.* grisea, *Torr.*

S. pratensis, *Hort.*

S. sericea, *Marsh.*; Britt. & Br. Ill. Flora i. 499, f.

S. phylicifolia, *L.* Alps of Northern and Central Europe. "Tea-leaved Willow."

S. bicolor, *Ehrh.*

Var. **borreriana**, *Syme* Eng. Bot. ed. 3, t. 1344.

S. borreriana, *Sm.* Eng. Bot. t. 2619.

Var. **croweana**, *Syme* Eng. Bot. ed. 3, t. 1338.

S. croweana, *Sm.* Eng. Bot. t. 1146.

Var. **laxiflora**, *Syme* Eng. Bot. ed. 3, t. 1340.

S. laxiflora, *Anderss.*; Sm. Eng. Bot. t. 2749.

S. phylicifolia—*cont.*

Var. **nitens**, *Syme* Eng. Bot. ed. 3, t. 1337.
S. nitens, *Anderss.*; Sm. Eng. Bot. t. 2655.

Var. **patens**.
S. patens, *Forbes* Salict. Woburn. t. 39.

Var. **phillyreifolia**, *Syme* Eng. Bot. ed. 3, t. 1345.
S. phillyreifolia, *Borrer*; Sm. Eng. Bot. t. 2660.

Var. **tenuior**.

Var. **tetrapla**, *Syme* Eng. Bot. ed. 3, t. 1343.
S. tetrapla, *Walker*; Sm. Eng. Bot. t. 2702.

Var. **weigeliana**, *Syme* Eng. Bot. ed. 3, t. 1336.
S. weigeliana, *Willd.*; Sm. Eng. Bot. t. 2656.
S. wulfeniana, *Sm.*

S. purpurea, *L.*; Eng. Bot. ed. 3, t. 1316; Forbes Salict. Woburn. t. 1. Europe, Central and North Asia. "Purple Osier."
S. amplexicaulis, *Hort.*
S. carniolica, *Host.*
S. fissa, *Wahlenb.* (not *Hoffm.*).
S. fuscata, *Hort.*
S. monandra, *Hoffm.*
S. rosmarinifolia, *Hort.* (not *L.*).
S. uralensis, *Hort.*

Var. **lambertiana**, *Anderss.*; Eng. Bot. ed. 3, t. 1318.
S. lambertiana, *Forbes* Salict. Woburn. tt. 3, 4.
S. pratensis, *Scop.*
S. woolgariana, *Borrer.*

Var. **pendula**. "American Weeping Willow."
S. americana pendula, *Hort.*
S. nigra pendula, *Hort.*

Var. **scharfenbergensis**, *K. Bolle.*

S. pyrifolia, *Anderss.* Rocky Mountains.

S. pyrolifolia, *Ledeb.* var. **hoyeriana**, *Dippel.* North Asia, North America.

S. repens, *L.* Europe, North Asia.

Var. **argentea**, *Syme* Eng. Bot. ed. 3, t. 1362.

S. argentea, *Sm.* Eng. Bot. t. 1364.

S. californica, *Hort.*

S. sericea, *Hort.* (not *Marsh*).

S. sericea pendula, *Hort.*

S. woolseyana, *Hort.*

S. reticulata, *L.*; Eng. Bot. ed. 3, t. 1379. Arctic and alpine regions of northern hemisphere.

Chamitea reticulata, *Kern.*; Dippel Laubholzk. ii. 212, f. 106.

S. retusa, *L.*; Forbes Salict. Woburn. t. 139. Europe, North Asia.

Var. **serpyllifolia**, *Anderss.*; Forbes Salict. Woburn. t. 65.

S. serpyllifolia, *Scop.*

S. retusa × herbacea. Europe.

S. rosmarinifolia, *L.*; Forbes Salict. Woburn. t. 87. Europe.

S. angustifolia, *Wulf.* (not *Willd.*).

S. Arbuscula, *Forbes* Salict. Woburn. t. 86.

S. caesia, *Hort.* (not *Vill.*).

S. canaliculata, *Bess.*

S. integra, *Thunb.*

S. littoralis, *Host.*

S. marinifolia, *Willd.*

S. pratensis, *Host.*

S. repens *var.* rosmarinifolia, *Anderss.*

S. tenuis, *Host.*

S. **rostrata**, *Richards.* North America.
S. bebbiana, *Sargent* Silva t. 477.
S. livida *var.* occidentalis, *A. Gray.*
S. vagans *var.* rostrata, *Anderss.*

S. **rotundifolia**, *Nutt.* North-west America.

S. **rubra**, *Huds.*; Forbes Salict. Woburn. t. 4. Europe.
S. concolor, *Host.*
S. fissa, *Hoffm.* (not *Wahlenb.*).
S. membranacea, *Thuill.*
S. purpurea × viminalis.

Var. **forbyana**, *Syme* Eng. Bot. ed. 3, t. 1321.
S. forbyana, *Wimm.*; Forbes Salict. Woburn. t. 5.

Var. **Helix**, *Syme* Eng. Bot. ed. 3, t. 1319.
S. Helix, *Sm.* Eng. Bot. t. 1343.
S. purpurea *var.* Helix, *Anderss.*
S. pyramidalis, *Hort.*

S. **Sadleri**, *Syme* Journ. Bot. 1875, t. 158. Perthshire, Aberdeenshire, &c.
S. herbacea × lanata ?
S. lanata *var.* Sadleri, *F. B. White.*

S. **secerneta**, *F. B. White.* Britain.
S. purpurea × phylicifolia.

S. **sesquitertia**, *F. B. White.* Britain.
S. purpurea × aurita × phylicifolia.

S. **sieboldiana**, *Blume.* Japan.

S. **silesiaca**, *Willd.*; Kong. Svensk. Vet.-Akad. Handl. vi. t. 4, f. 42. Europe.
S. fagifolia, *Willd.*
S. lasiocarpa, *Wimm.*

S. silesiaca—*cont.*

S. Ludwigii, *Schkuhr.*

S. silesiaco-Lapponum, *Wimm.*

Var. **caucasica,** *Anderss.*

S. caucasica, *Anderss.*

Var. **subcaprea,** *Anderss.*

S. Caprea-silesiaca, *Wimm.*

S. smithiana, *Willd.*; Flora Danica t. 2551. Europe.

S. mollissima, *Sm.* (not *Ehrh.*).

S. pannosa, *Hort.* (not *Schleich.*).

S. viminalis × Capreae ?

Var. **acuminata,** *Anderss.*

S. acuminata, *Sm.*; Eng. Bot. ed. 3, t. 1326.

S. Calodendron, *Wimm.*

S. Caprea-dasyclados, *Wimm.*

S. dasyclados, *Wimm.*

Var. **ferruginea.**

S. cinerea-viminalis, *Wimm.*

S. ferruginea, *Borrer*; Eng. Bot. ed. 3, t. 1325.

Var. **velutina,** *Anderss.*

S. holosericea, *Willd.*

S. micheliana, *Forbes* Salict. Woburn. t. 135.

S. rugosa, *Leefe.*

S. sobrina, *F. B. White.* Europe.

S. herbacea × Lapponum.

S. sordida, *Kern.* Europe.

S. cinerea-purpurea, *Wimm.*

S. pontederana, *Schleich.* var. sordida, *Anderss.*

S. purpurea × cinerea.

S. subpurpurea cinerea, *Kern.*

S. spuria, *Schleich.* Europe.

S. Arbuscula × Lapponum.

S. stipularis, *Sm.* Eng. Bot. t. 1214. Europe.

S. viminalis × smithiana ?

S. triandra, *L.*; Eng. Bot. ed. 3, t. 1313. Europe, North Asia. "Almond-leaved or French Willow."

S. hoppeana, *Willd.*

S. tenuiflora, *Host.*

Var. **amygdalina**, *Syme* Eng. Bot. ed. 3, t. 1315.

S. amygdalina, *L.*

Var. **hoffmanniana**, *Syme* Eng. Bot. ed. 3, t. 1314.

S. hoffmanniana, *Sm.*

S. undulata, *Ehrh.*; Eng. Bot. ed. 3, t. 1312. Europe.

S. lanceolata, *Sm.* Eng. Bot. t. 1436.

S. triandra-alba, *Wimm.*

S. viminalis, *L.*; Forbes Salict. Woburn. t. 133. Russia and North Asia. (Cultivated throughout Europe). "Osier."

S. longifolia, *Lam.*

S. tristis, *Hort.* (not *Ait.*).

S. virescens, *Vill.* (not *Forbes*).

S. viridis, *Fries*; Kong. Svensk. Vet.-Akad. Handl. vi. t. 3, f. 29. Europe.

S. fragilis, *Forbes* Salict. Woburn. t. 27 (not *L.*).

S. fragilis × alba.

S. montana, *Forbes* Salict. Woburn. t. 19.

S. wardiana, *F. B. White* (phylicifolia × cinerea). Britain

Populus alba, *L.* : Eng. Bot. ed. 3, t. 1299. Europe, North Africa, North and West Asia. "White Poplar; Abele."

Var. **nivea**.

P. acerifolia, *Hort.*

P. arembergiana, *Hort.*

P. arembergica, *Hort.*

P. argentea, *Hort.*

Var. **pyramidalis**.

P. alba *var.* croatica, *Wesmael.*

P. bolleana, *Lauche* ; Gard. Chron. 1882, xviii. 557, f. 96.

P. croatica, *Waldst. & Kit.*

P. Korolkowi, *Hort.*

Var. **macrophylla**, *Hort.*

P. Picarti, *Hort.*

Var. **foliis aureis variegatis**.

Var. **globosa**, *Hort.*

P. **angustifolia**, *James* ; Sargent Silva of North America t. 492. North America.

P. balsamifera *var.* angustifolia, *S. Watson.*

P. canadensis *var.* angustifolia, *Wesmael.*

P. salicifolia, *Rafin.*

P. **balsamifera**, *L.* ; Sargent Silva of North America t. 490. North America. "Balsam Poplar."

Var. **candicans**, *A. Gray* ; Sargent Silva of North America t. 491.

P. candicans, *Ait.*

P. ontariensis, *Hort.*

Var. **elongata**.

Var. **variegata**.

P. berolinensis, *Dippel.* Origin uncertain.

P. laurifolia *var.* berolinensis, *Hort.*

P. hybrida *var.* berolinensis, *C. Koch.*

P. balsamifera berolinensis, *Hort.*

P laurifolia × deltoidea ?

P. canescens, *Sm.*; Eng. Bot. ed. 3, t. 1300. "Gray Poplar."

P. albo-tremula, *Krausse.*

P. certinensis, *Hort.* Garden origin.

P. deltoidea, *Marsh.*; Sargent Silva of North America tt. 494, 495. North America. "Cottonwood."

P. Acladesca, *Lindl.*

P. angulata, *Ait.*

P. angulosa, *Michx.*

P. canadensis, *Moench.*

P. carolinensis, *Moench.*

P. cordata, *Hort.*

P. dilatata *var.* carolinensis, *Willd.*

P. glandulosa, *Moench.*

P. heterophylla, *Duroi* (not *L.*).

P. laevigata, *Ait.*

P. latifolia, *Moench.*

P. macrophylla, *Hort.*

P. marylandica, *Bosc.*

P. monilifera, *Ait.*

P. nigra, *Marsh.* (not *L.*).

P. nigra *var.* helvetica, *Poir.*

P. nigra *var.* virginiana, *Castigl.*

P. serotina, *Hartig.*

P. virginiana, *Fouger.*

P. deltoidea—*cont.*

Var. **aurea**, *Van Geert.*

P. canadensis aurea, *Hort.*

P. vanhoutteana, *Hort.*

Var. **erecta.**

P. canadensis *var.* erecta, *Dippel.*

P. monilifera *var.* erecta, *Selys.*

Var. **Eugenei**, *Nichols.*

P. canadensis *var.* Eugenei, *Hort. Zoesch.*

P. Eugenei, *Hort.*

P. pyramidalis *var.* meetensis, *Mathieu.*

P. **Fremontii**, *S. Wats.*; Sargent Silva of North America t. 496. California, &c.

P. **grandidentata**, *Michx.*; Sargent Silva of North America t. 488. North America.

P. **heterophylla**, *L.*; Sargent Silva of North America t. 489. North America. "Swamp Cottonwood."

P. argentea, *Michx. f.* Hist. Arb. Am. iii. 290, t. 9.

P. balsamifera, *Mill.* (not *L.*).

P. cordifolia, *Burgsdorf.*

P. ontariensis macrophylla, *Hort.*

P. **lasiocarpa**, *Oliver* Icon. Plant. t. 1943. Central China.

P. **laurifolia**, *Ledeb.* Altai region of Southern Siberia.

P. balsamifera *var.* laurifolia, *Wesmael.*

P. balsamifera *var.* viminalis, *Loud.*

P. crispa, *Hort.*

P. crispa Lindleyi, *Hort.*

P. lindleyana, *Booth.*

P. longifolia, *Fisch.*

P. salicifolia, *Hort.*

P. laurifolia—*cont.*

P. undulata, *Hort.*
P. viminalis, *Lodd.*

P. moscoviensis, *Schroeder.* Origin uncertain.

P. nigra, *L.*; Eng. Bot. ed. 3, t. 1302. Europe, North Asia.
P. fistula, *Hort.*
P. versicolor, *Salisb.*
P. vistulensis, *Hort.*

Var. betulaefolia, *Wesmael.*
P. betulifolia, *Pursh.*
P. hudsonica, *Michx.* Hist. Arbr. Am. iii. 293, t. 10, f. 1.

Var. Nolestii.
P. Nolestii, *Hort.*

Var. pyramidalis, *Spach.*
P. dilatata, *Soland.*
P. fastigiata, *Pers.*
P. italica, *Moench.*
P. pannonica, *Hort.*
P. polonica, *Hort.*
P. pyramidalis, *Salisb.*

Var. pyramidalis gigantea.
P. fastigiata gigantea.

P. petrowskyana, *Schroeder.* Garden origin.
canadensis × suaveolens ?

P. plantierensis, *Simon-Louis.* (nigra betulifolia × nigra fastigiata ?). Garden origin.
P. fastigiata plantierensis, *Hort.*

P. rasumowskyana, *Schroeder.* Garden origin.
nigra × suaveolens ?

P. Sieboldii, *Miq.* Japan.

P. rotundifolia, *Hort.*

P. Simonii, *Carr.*; Dippel Laubholzk. ii. t. 211, f. 10. China.

P. balsamifera *var.* Simonii, *Dieck.*

P. suaveolens, *Fisch.* North-west India to Japan, &c.

P. balsamifera *var.* suaveolens, *Loud.*

P. macrocarpa, *Schrenk.*

P. pseudobalsamifera, *Fisch.*

P. tremula, *L.*; Eng. Bot. ed. 3, t. 1301. Europe, North Africa, North Asia. "Aspen."

P. australis, *Tenore.*

P. cilicica, *Kotschy.*

Var. **pendula.**

P. pendula, *Burgsdorf.*

P. supina, *Lodd.*

Var. **purpurea.**

Var. **villosa**, *Syme.*

P. canescens, *Reichb.* (not *Sm.*).

P. villosa, *Láng.*

P. tremuloides, *Michx.*; Sargent Silva of North America t. 487. North America. "American Aspen."

P. atheniensis, *C. Koch.*

P. benzoifera, *Tausch.*

P. graeca, *Lauche.*

P. tremuliformis, *Emerson.*

P. trepida, *Willd.*

Var. pendula. "Parasol de St. Julien."

P. juliana pendula, *Hort.*

P. trichocarpa, *Hook.*; Sargent Silva of North America t. 493. Western North America. "Black Cottonwood."

P. balsamifera *var.* trichocarpa, *S. Wats.*

P. tristis, *Fisch.*; Dippel Laubholzk. ii. 205, f. 98. North-eastern Asia.

Var. elongata, *Koehne.*

P. candicans elongata, *Dippel.*

P. Viadri, *M. Ruediger.* Origin uncertain.

P. Wobstii, *Schroeder.* Garden origin ?

P. balsamifera *var.* Wobstii, *Dippel* Laubholzk. ii. 207, f. 101.

Empetraceae.

Empetrum nigrum, *L.*; Eng. Bot. ed. 3, t. 1251. North temperate and arctic zones. "Crowberry."

E. crassifolium, *Rafin.*

E. procumbens, *L.*

Var. scoticum, *Loud.*

E. scoticum, *Hook.*

Var. tomentosum, *Dippel.*

E. tomentosum, *Hort.*

Corema album, *D. Don*: Laguna Fl. For. Esp. ii. t. 47. Portugal.

Empetrum lusitanicum, *Hort.*

C. Conradii, *Torr.*; Britt. & Br. Illustr. Fl. ii. 384, f. Northern United States, &c.

Empetrum Conradii, *Torr.*

GYMNOSPERMEAE.

Gnetaceae.

Ephedra americana, *Humb. & Bonpl.* var. **andina**, *Stapf.* Chili.

E. andina, *Poepp. & Endl.*; Miers Contr. Bot. ii. t. 76 b.

E. bracteata, *Miers.*

E. chilensis, *Miers.*

E. monticola, *Miers.*

E. distachya, *L.*; Reichb. Ic. Fl. Germ. xi. t. 539, f. 1148. Europe, Asia Minor.

E. monostachya, *L.*

E. foliata, *C. A. Mey.* Northern and Central Asia.

E. asparagoides, *Griff.*

E. kokanica, *Regel.*

E. peduncularis, *Boiss.*

E. fragilis, *Desf.*; Sibth. Fl. Graeca t. 961. Mediterranean region, &c.

Var. **campylopoda**, *Stapf.*

E. campylopoda, *C. A. Mey.*

E. gerardiana, *Wall.* Himalaya.

E. vulgaris, *Aitch.*

E. helvetica, *C. A. Mey.*; Christ Fl. de la Suisse . . . pl. 1. Switzerland, Italy, Southern France.

E. distachya, *Suter* (not *L.*).

E. intermedia, *Schrenk & C. A. Mey.* Central Asia, &c.

E. nebrodensis, *Tineo.* Mediterranean region.

E. trifurca, *Torr.* Western North America.

MONOCOTYLEDONS.

Liliaceae.

† SMILACEAE.

Smilax aspera, *L.*; Nouv. Duham. i. 234, t. 53. Mediterranean region, &c. "Rough Bindweed."

S. sagittaefolia, *Lodd.* Bot. Cab. t. 1799.

Var. **maculata**, *A.DC.* East Indies.

S. maculata, *Roxb.*

Var. **mauritanica**, *A.DC.*

S. catalonica, *Poir.*

S. mauritanica, *Desf.*; Flore des Serres t. 1049.

S. Bona-nox, *L. var.* **hastata**, *A.DC.* South United States

S. hastata, *Willd.*

S. Cantab, *Lynch*; Garden lvi. 505. f. Origin uncertain.

S. China, *L.* China, Japan, &c.

S. japonica, *A. Gray.*

S. Pteropus, *Miq.*

Coprosmanthus japonicus, *Kunth.*

S. excelsa, *L.*; Nouv. Duham. i. 236, t. 54; Sibth. Fl. Graeca t. 959. South-west Europe, Asia Minor, &c.

S. canariensis, *H. C. Wats.* (in part).

S. China, *S. T. Gmel.* (not *L.*).

S. laevis, *Gueldenst.* (not *Wall.*).

S. glauca, *Walt.*; Bot. Mag. t. 1846. North America. "Carrion-Flower."

S. Sarsaparilla, *L.* (in part).

S. spinulosa, *Sm.*

S. hispida, *Muhl.* North America.

S. grandifolia, *Buckl.*

S. laurifolia, *L.*; Britt. & Br. Illustr. Fl. i. 441, f. Southern United States.

S. Pseudo-China, *L.*; Britt. & Br. Illustr. Fl. i. 441, f. Southern United States.

S. rotundifolia, *L.* North America. "Horse-brier; Greenbrier."

S. caduca, *L.*

S. quadrangularis, *Muhl.*; Wats. Dendr. Brit. t. 109.

S. Sarsaparilla, *Hort.*

S. virginiana, *Hort.* (not *Mill.*).

S. tamnoides, *L.* North America.

S. tamnifolia, *Michx.*

Coprosmanthus tamnifolius, *Kunth.*

S. Walteri, *Pursh.* North America.

†† Asparageae.

Ruscus aculeatus, *L.*; Eng. Bot. ed. 3, t. 1516. Europe, &c. "Butcher's Broom."

Var. angustifolius.

R. angustifolius, *Hort.*

R. Hypoglossum, *L.*; Sibth. Fl. Graeca t. 955. South Europe.

R. Hypophyllum *var.* Hypoglossum, *Lam.*

R. Hypophyllum, *L.*; Bot. Mag. t. 2049. South-west Europe, North Africa.

Ruscus microglossus, *Bert.*

Danaea Laurus, *Medic.* Asia Minor, &c. "Alexandrian Laurel."

D. racemosa, *Moench*; Wats. Dendr. Brit. t. 145.

Danaida racemosa, *Link.*

Ruscus racemosus, *L.*

Asparagus aphyllus, *L.* Mediterranean region.

A. horridus, *Hort.*

††† Luzuriageae.

*Luzuriaga radicans, *Ruiz & Pav.*; Bot. Mag. t. 6465. Chili, Peru.

†††† Dracaeneae.

Yucca angustifolia, *Pursh*; Bot. Mag. t. 2236. Missouri to Colorado and New Mexico.

Var. **stricta**, *Baker.*

Y. angustifolia *var.* mollis, *Engelm.*

Y. stricta, *Sims* Bot. Mag. t. 2222.

Y. filamentosa, *L.*; Bot. Mag. t. 900. Southern United States.

Var. **flaccida**, *Baker.*

Y. flaccida, *Haw.*; Bot. Reg. t. 1895.

Var. **variegata.**

Y. glauca, *Sims* Bot. Mag. t. 2662. Southern United States.

Y. gloriosa, *L.*; Bot. Mag. t. 1260. Southern United States. "Adam's Needle."

Var. **Ellacombei**, *Baker.*

Y. Ellacombei, *Baker*; Saund. Ref. Bot. t. 317.

Var. **variegata**, *Hort.*

Y. orchioides, *Carr.* Rev. Hortic. 1861, 369, ff. 89, 90. Southern United States.

Y. filamentosa *var.* orchioides, *Baker.*

Var. **major**, *Baker* Bot. Mag. t. 6316.

Y. recurvifolia, *Salisb.*; Saund. Ref. Bot. t. 321. Southern United States.

Y. japonica, *Hort.*

Y. pendula, *Sieb.*

Y. recurva, *Haw.*

Var. **variegata**, *Hort.*

Y. rupicola, *Scheele*; Bot. Mag. t. 7172. Southern United States and Mexico.

Y. contorta, *Hort.*

Y. lutescens, *Carr.*

Y. tortifolia, *Lindh.*

Palmae.

Trachycarpus excelsus, *H. Wendl.* Japan. "Chusan Palm."

T. Fortunei, *H. Wendl.*

Chamaerops excelsa, *Thunb.*

C. Fortunei, *Hook.* Bot. Mag. t. 5221.

Gramineae.

† Festuceae.

Arundo Donax, *L.* Mediterranean region, &c.

Donax arundinaceus, *Beauv.*

Scolochloa arundinacea, *Mert. & Koch.*

Var. **macrophylla.**

Var. **variegata**, *Hort.*

†† Bambuseae.

Arundinaria anceps, *Mitford.* Origin uncertain.
A. spathiflora, *Trin.* ?

A. aristata, *Gamble.* North-eastern Himalaya.

A. auricoma, *Mitford.* Japan.
A. Fortunei *var.* aurea, *Hort.*
Bambusa Fortunei *var.* aurea, *Hort.*
B. Maximowiczii, *Hort.* (in part).

A. chrysantha, *Mitford.* Japan.
Bambusa chrysantha, *Hort.*

*A. falcata, *Nees.* Himalaya.
Bambusa falcata, *Hort.*
B. gracilis, *Hort.* (in part).

*A. Falconeri, *Mitford.* Himalaya.
Thamnocalamus Falconeri, *Hook. f.*

A. Fortunei, *A. & C. Rivière.*
A. diversifolia, *Kurz.* Japan.
Bambusa Fortunei foliis niveo-vittatis, *Van Houtte* Flore des Serres xv. 69, t. 1535.
B. Fortunei *var.* variegata, *Hort.*
B. picta, *Sieb. & Zucc.*
B. variegata, *Standish.*

A. Hindsii, *Munro.* Japan.
Bambusa Chino, *Franch. & Savat.* ?
B. erecta, *Hort.*
B. jacile, *Hort.*
Kanzan-chiku, *Hort. Jap.*

A. Hindsii—*cont.*

Var. **graminea**, *Bean.*

Bambusa graminea, *Hort.*

Taimin-chiku, *Hort. Jap.*

***A. hookeriana**, *Munro.* Sikkim.

A. humilis, *Mitford.* Japan.

A. Fortunei *Hort.* (green form).

Bambusa gracilis *Hort.* (in part).

A. japonica, *Sieb. & Zucc.*; Gard. Chron. 1894, xv. 289, f. 26 Japan.

Bambusa Metake, *Sieb.*

Phyllostachys bambusoides, *Hort.* (not *Sieb. & Zucc.*).

Médaké, *Hort. Jap.*

A. Kokantsik, *Kurz.* Japan.

Bambusa marmorea, *Mitford* Bamboo Garden 93, f.

Kan-chiku, *Hort. Jap.*

A. Kumasasa, *Kurz.* Japan.

A. metallica, *Mitford* Gard. Chron. 1898, xxiv. 274, f. 75.

Bambusa palmata, *Burbidge*; Mitford Bamboo Garden 79, f; Gard. Chron. 1890, vii. 641, f. 1; 1894, xv. 169, f. 18. Japan.

A. paniculata, *Makino* Bot. Mag. Tokio, xiv. 50.

Kanéyama-daké, *Hort. Jap.*

Kumazasa, *Hort. Jap.*

A. macrosperma, *Michx.* North America. "Large Cane."

Var. **tecta**, *A. Gray.* "Switch Cane."

A. macrosperma *var.* suffruticosa.

Bambusa Hermanni, *Hort.*

B. Neumanni, *Hort.*

A. nitida, *Mitford.* Central China.

A. khasiana, *Hort.* (not *Munro*).

Bambusa Kan-si, *Hort. Chin.*

***A. nobilis**, *Mitford.* Origin uncertain.

A. pumila, *Mitford.* Japan.

Bambusa pumila, *Hort.*

A. pygmaea, *Kurz.* Japan.

Bambusa pygmaea, *Miq.*

Nézasa, *Hort. Jap.*

A. racemosa, *Munro.* North India.

A. Simoni, *A. & C. Rivière.* Gard. Chron. 1894, xv. 301, f. 35. China.

Bambusa Simoni, *Carr.*

B. viridi-striata, *Hort.*

Narihiradaké, *Hort. Jap.*

Var. **Chino**, *Makino.*

A. Laydekeri, *Hook. f.*; Mitford Bamboo Garden 92, f.

Bambusa Laydekeri, *Marliac.*

Hakoné-daké or Hakoné-chiku, *Hort. Jap.*

Var. **variegata**, *Hook. f.* Bot. Mag. t. 7146.

Bambusa albo-striata, *Hort.*

B. Maximowiczii, *Hort.* (in part).

B. plicata, *Hort.*

A. Veitchii, *N. E. Brown*; Mitford Bamboo Garden 77, f. Japan, &c.

A. albo-marginata, *Makino.*

A. kurilensis *var.* paniculata, *Schmidt.*

A. Veitchii—*cont.*
Bambusa albo-marginata, *Hort.*
B. senanensis, *Franch & Savat.*
B. tessellata, *Hort.* (not *Munro*).
B. Veitchii, *Carr.*
Ko-Kumazasa, *Hort. Jap.*
Yakiba-zasa, *Hort. Jap.*

Bambusa angustifolia, *Mitford.* Japan.
B. Vilmorini, *Hort.*

B. disticha, *Mitford.* Origin uncertain.
B. nana, *Hort.* (not *Roxb.*).
Hôô-chiku, *Hort. Jap.*

B. macroculmis, *A. Rivière.* Origin unknown.

B. Nagashima, *Marliac.* Japan.

B. quadrangularis, *Fenzi.* China ?, Japan.
Shiho-chiku or Shikaku-daké, *Hort. Jap.*

B. tessellata, *Munro*; Gard. Chron. 1894, xv. 167, f. 17. China, Japan.
B. Ragamowski, *Hort.*
Arundo Ragamowski, *Hort.*
Bi-chiku, *Hort. Jap.*

Phyllostachys aurea, *A. & C. Rivière.* Japan.
Bambusa aurea, *Hort.*
B. sterilis, *Kurz.*
Hôrai-chiku, *Hort. Jap.*
Taibô-chiku, *Hort. Jap.*
Hotei-chiku, *Hort. Jap.*

P. bambusoides, *Sieb. & Zucc.* Japan.
Ya-daké, *Hort. Jap.*

Phyllostachys fastuosa, *Hort.*

Bambusa fastuosa, *Hort.*

Arundinaria fastuosa, *Hort. Kew.* Japan.

Madaradaké ? *Hort. Jap.*

P. flexuosa, *A. & C. Rivière.* North China.

Bambusa flexuosa, *Hort.* (not *Munro*).

P. fulva, *Mitford* Gard. Chron. 1898, xxiv. 246, f. 68. Japan.

Ôgon-chiku, *Hort. Jap.*

P. Henonis, *Mitford.* Japan.

Bambusa Henonis, *Hort.*

Ha-chiku, *Hort. Jap.*

P. mitis, *A. & C. Rivière.* Japan.

Bambusa mitis, *Hort.* (not *Poir.*).

Môsô-chiku, *Hort. Jap.*

A deformed state of this (often found also in *P. aurea*) is—

P. heterocycla, *Mitford* Bamboo Garden 160, f. Japan. "Tortoise-shell Bamboo."

Bambusa heterocycla, *Carr.* Rev. Hortic. 1878, 354, f. 80.

Kiko-chiku and Kimon-chiku, *Hort. Jap.*

P. nigra, *Munro*; Gard. Chron. 1894, xv. 369, f. 46. Japan.

Bambusa nigra, *Lodd.*

Kuro-daké, *Hort. Jap.*

Goma-dake, *Hort. Jap.*

Kuro-chiku, *Hort. Jap.*

Var. boryana.

Bambusa boryana, *Marliac.*

P. boryana, *Mitford.*

Var. punctata, *Bean.*

Bambusa nigro-punctata, *Hort.*

Goma-daké, *Hort. Jap.*

P. Quilioi, *A. & C. Rivière* ; Gard. Chron. 1894, xv. 431, f. 52. Japan.

Bambusa Duquilioi, *Hort.*

B. Mazeli, *Hort.*

B. Quilioi, *Carr.*

B. senanensis, *Hort. Abbotsbury.*

Madaké, *Hort. Jap.*

Var. **Castillonis.**

P. Castillonis, *Mitford.* Japan.

B. Castilloni, *Carr.* Rev. Hort. 1886, 513, f. 122.

Bambusa Castillonis, *Marliac.*

Kimmei-chiku, *Hort. Jap.*

Var. **marliacea.**

P. marliacea, *Mitford.* Japan.

Bambusa marliacea, *Hort.*

Shibo-chiku and Shiwa-chiku, *Hort. Jap.*

P. ruscifolia, *Hort. Kew.* Japan.

P. Kumasaca, *Munro*; Gard. Chron. 1894, xv. 369, f. 45.

P. Kumasasa, *Mitford.*

Bambusa ruscifolia, *Sieb.*

B. viminalis, *Hort.*

Bungozasa or Gomai-zasa, *Hort. Jap.*

P. sulphurea, *A. & C. Rivière.* Japan.

Arundinaria stolonifera, *Kurz.*

Bambusa sulphurea, *Hort.*

P. violascens, *A. & C. Rivière.* Japan ?

Bambusa violascens, *Hort.*

P. viridi-glaucescens, *A. & C. Rivière* ; Gard. Chron. 1894, xv. 433, f. 53. China.

Bambusa viridi-glaucescens, *Carr.*

ADDITIONS AND CORRECTIONS.

Page 89. *For* Iris Mariesii *read* I[lex] Mariesii.

„ 123. *For* **Kolreuteria** *read* **Koelreuteria.**

„ 375. *Transfer* Deutzia corymbosa, *Hort.*, *from* **Philadelphus grandiflorus** *to* **P. inodorus.**

„ 497. *Insert* Azalea verticillata, *Bart.*, as a synonym of **Rhododendron arborescens.**

„ 517. *Insert* R. aureum magnificum, *Henders. Bouq.* t. 46, as a synonym of **Rhododendron Smithii var. aureum.**

„ 603. *For* E[laeagnus] tenniflora *read* E. tenuiflora.

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PREFACE.

THIS Hand-list might properly have formed part of that of the "Trees and Shrubs grown in the Arboretum," but so many persons possess collections of Conifers who are not interested in other ligneous plants that there was an obvious convenience in treating them separately. There was the further advantage that this enabled the species which are grown under glass to be included. The natural order, or rather group, *Coniferae*, is so well defined that it is desirable to enumerate in one list all the species actually in cultivation at Kew.

The present Hand-list (first edition) comprises 227 species, with 340 varieties, belonging to 37 genera.

Sir Joseph Hooker, the late Director of the Royal Gardens, had contemplated the preparation of a Catalogue of the Kew Pinetum. In view of this he had drawn up a brief review of the literature of the subject, which he has now, after revision, kindly permitted to be used.

"In the following list the species are referred to the genera under which they have been placed by the latest authorities, who have revised the Order *Coniferae*. That such an authoritative list should be published is the wish

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of all intelligent cultivators of these interesting plants, and its publication in this country is rendered all the more needful from the fact that British cultivators alone persist in referring the Silver Firs to *Picea*, and the Spruces to *Abies*, a practice long abandoned on the Continent, and which has not been adopted in America. And if, as I hope, the correct nomenclature will in future be adopted in regard to the Latin names of these genera, I would further urge a reform in respect of their English equivalents, in so far as to confine the use of the words Pine to the species of *Pinus*, of Spruce to those of *Picea*, and of Silver Fir to those of *Abies*. We should then be in accordance with the universal practice throughout North America, which is the head-quarters of all three genera, where a Pine is never called a Fir, nor a Fir called a Spruce, nor a Spruce a Pine.

The following historic sketch of the various essays of Botanists to limit the genera and species of *Abietineae* shows how divergent have been their views. I have endeavoured to make it more instructive, by giving (where there are materials for doing so) under each attempt the number of species known to its author, thus further showing the progressive discovery of species during the last hundred and eighty years or thereabouts.

Tournefort, in 1717, indicated the three genera *Abies*, *Pinus*, and *Larix* (including *Cedrus*); and his *Cedrus* is *Juniperus*.

In 1731 the first edition of *Miller's Gardener's Dictionary* appeared, where he has *Pinus*, *Cedrus*, *Larix* and *Abies* with 16 species in all.

Linnaeus, in 1753, included these all under *Pinus*, of which he enumerated 10 species.

In 1789 A. L. de Jussieu, in his *Genera Plantarum*, has only two genera, *Pinus* and *Abies*.

In the same year the first edition of Aiton's *Hortus Kewensis* appeared, wherein all the *Abietineae* (19 species) are included under *Pinus*.

In 1803 was published the first edition of Lambert's *Genus Pinus*, containing about 35 species of *Abietineae*, all included under *Pinus*.

In 1813 the second edition of the *Hortus Kewensis* appeared, in which, as before, all the *Abietineae* (increased to 29) are included under *Pinus*.

In 1826 Louis Claude Richard's *Mémoire sur les Conifères* was edited by his son. This classical work is the earliest that dealt scientifically with the order *Coniferae*, and in it the Tribe *Abietineae* was first established, to include *Pinus* (under which were placed Spruces and Silver Firs), and *Larix* (which included the Cedars); to these were added, *Cunninghamia*, *Agathis* (*Dammara*), and *Araucaria*, which now form a distinct Tribe.

In 1827 Link, in the *Journal of the Academy of Sciences of Berlin*, proposed the five genera: *Pinus*, *Picea* (for Spruces), *Abies* (for Silver Firs), *Larix*, and *Cedrus*.

In 1832 the second edition of Lambert's *Genus Pinus* appeared, wherein the *Abietineae* were all, as before, included under *Pinus;* which however was broken up by David Don (Lambert's Herbarium keeper) into six

sections, *Pinus*, *Strobus*, *Abies* (for the Spruces), *Picea* (for the Silver Firs and Tsugas), *Larix*, and *Cedrus*. About 48 species in all are described.

In 1838 Loudon's great work, the *Arboretum et Fruticetum Britannicum*, appeared. The Tribe *Abietineae* is here adopted as defined by Richard, with the genera *Pinus*, *Abies*, *Picea*, *Larix*, and *Cedrus:* and here that confusion of *Abies* and *Picea* which so distresses British foresters and planters had its origin. At p. 2105 there is a clavis of the genera, where the genus *Abies* is attributed to Link, but the characters given to it are those of Link's *Picea;* and in like manner *Picea* is attributed to Link, though the characters given are those of Link's *Abies*, and they are followed by *D. Don* in brackets. Turning now to the full account of the genera, at p. 2293, we find "*Abies*, D. Don in Lamb. Pin. vol. iii." with the addition of "*Picea*, Link" as a synonym, followed by descriptions of the Spruces. And at p. 2329 we have "*Picea*, D. Don in Lamb. Pin. vol. iii." with *Abies*, Link, as a synonym; followed by descriptions of the Silver Firs. Now not only was the edition of Lambert's work subsequent to Link's establishment of *Picea* for Spruces and *Abies* for Silver Firs, but Don nowhere in Lambert's *Genus Pinus* proposed these names as generic. Disregarding this blundering, which probably originated in the elaboration of the conifers being a composite work of Don and Loudon working apart, there remains but one argument for preferring Don's nomenclature, which is, that Linnaeus called the Silver Fir *Pinus Picea* and the Spruce *P. Abies*, assuming that he was following the practice of the ancients, in which he is known to have been mistaken.

Owing to the great merit and utility of Loudon's *Arboretum*, his nomenclature has hitherto been universally adopted in the United Kingdom. It contains descriptions of about 70 species of *Abietineae*.

In 1841 Link (in *Linnaea*, vol. xv., p. 481) reviewed the whole Tribe of *Abietineae*, retaining, as before, *Pinus*, *Picea*, *Abies*, *Larix*, and *Cedrus*, and enumerating 52 species.

In 1841–46, Antoine's *Die Coniferen* appeared, in which all the *Abietineae* are referred to *Pinus*, with sections of *Pinus* proper, *Larix*, *Cedrus*, *Picea*, Don, *Abies*, Don, and *Tsuga;* he describes 90 species.

In 1842 Spach, in his *Histoire Naturelle des Végétaux*, adopted *Pinus*, *Abies* (including under it as sections *Picea*, Link, *Tsuga*, and *Pseudotsuga*), *Cedrus*, and *Larix*.

Endlicher, in the same year, in his *Genera Plantarum* reverted to Linnaeus' practice of including all under *Pinus*, but made four sections—*Pinus* proper, *Picea*, Link, *Abies*, Link, and *Larix*, including *Cedrus*.

In the same author's *Synopsis Coniferarum*, published two years later, he maintains the genus *Pinus* entire, as before, but subdivides it into 11 sections, with 109 species.

In 1850 Lindley and Gordon published (in the *Journal of the Horticultural Society*, vol. v.) "An Enumeration of *Coniferae* cultivated in Great Britain," where two genera only are adopted, *Pinus* and *Abies*, and the latter is subdivided into Firs (including Spruces), Larches, and Cedars, with 119 species.

Meisner in 1836–43 published his *Genera Plantarum Vascularium*, wherein he includes all *Abietineae* under *Pinus*, with, as sections, *Pinus* proper, *Picea*, Link, *Abies*, Link, and *Larix*, including *Cedrus*.

In 1855 Carrière's *Traité général des Conifères* appeared ; he keeps up *Pinus*, *Abies*, Link, *Picea*, Link, *Larix*, *Cedrus*, and *Tsuga*, which includes *Pseudotsuga*. This work enumerates 133 species, many of which are now ranked as varieties.

In 1858 appeared the first edition of *Gordon's Pinetum*, in which he maintains *Pinus*, *Abies*, Don (including *Tsuga* and *Pseudotsuga*), *Picea*, Don, *Larix*, *Cedrus*, and *Pseudolarix*. He enumerates 131 species, of which many are imperfectly known.

In 1865 Henkel and Hochstetter published their *Die Coniferen*, with the following arrangement, *Pinus*, *Abies* (including *Picea*, Link, *Abies*, Link, *Tsuga*, and *Pseudotsuga*), *Cedrus*, *Larix*, and the new genus *Pseudolarix*, Gord. They describe 130 species, which should be reduced much as Carrière's should be.

In 1867 the second edition of Carrière's *Traité* was published, in which all the genera of the first edition are retained together with *Pseudotsuga* and *Keteleeria*, and 153 species are described, excluding many dubious ones.

In 1868 Parlatore's monograph of the order appeared in the 16th volume of De Candolle's *Prodromus*. The genus *Pinus* is divided into two sub-genera *Pinus* proper for the Pines, and *Sapinus ;* which latter includes

as sections only *Picea*, Link, *Abies*, Link, *Cedrus*, *Larix*, *Pseudolarix*, *Tsuga*, and *Pseudotsuga*. The species described are 162.

In 1875 the second edition of Gordon's *Pinetum* was published, in which the same genera are retained as in the 1858 edition, with 150 species.

Lastly, in the *Genera Plantarum* (1882), Mr. Bentham and I have distinguished *Pinus*, *Picea*, Link, *Abies*, Link, *Tsuga*, *Pseudotsuga*, *Larix*, and *Cedrus*, to which must now be added *Pseudolarix* and probably *Keteleeria*, both at that time very imperfectly known.

In 1886 Dr. M. T. Masters published (*Journal of the Linnean Society*, xxii. pp. 169–212, tt. 2–10, with 32 woodcut figures in the text) some "Contributions to the History of certain Conifers." This was followed in 1890 by a "Review of some points in the comparative Morphology, Anatomy, and Life History of the Coniferae" (*Journ. Linn. Soc.*, xxvii. pp. 226–332, with 29 woodcut figures in the text), and in 1895 by "Notes on the Genera of *Taxaceae* and *Coniferae*" (*Journ. Linn. Soc.*, xxx. pp. 1–42).

In 1889, two years after his death, Dr. A. W. Eichler's elaboration of the Coniferae appeared in Engler and Prantl's *Die Natürlichen Pflanzenfamilien*. He classifies the genera under two primary divisions: *Pinoideae* and *Taxoideae*. The former he again divides into *Abietineae* and *Cupressineae*, with several ternary divisions, and the latter into *Podocarpeae* and *Taxeae*. The genera are limited, with few exceptions, as they are by Bentham and Hooker; but he retains *Chamaecyparis*, *Thuiopsis*

and *Pseudolarix*, and sinks *Pseudotsuga* in *Tsuga* and *Prumnopitys* in *Podocarpus*.

In 1891 L. Beissner published a *Handbuch der Nadelholzkunde*. This was preceded by a *Handbuch der Coniferen-Benennung* (1887), followed by two supplements (1891–2) on *Einheitliche Coniferen-Benennung*. Beissner deals critically with the numerous natural and garden varieties and hybrids. He has also paid much attention to nomenclature, though he accepts familiar names rather than revive obscure ones on the rule of priority.

In 1892 the Royal Horticultural Society held a "Conifer Conference," and the papers read thereat form the fourteenth volume of the *Journal* of the Society This is one of the most interesting volumes issued by the Society, containing a great variety of valuable information concerning *Coniferae*, including a general introduction and a list of the species cultivated in Great Britain and Ireland, by Dr. M. T. Masters, F.R.S.

In 1894 H. Baillon (*Histoire des Plantes*, xii. pp. 1–45) published an account of the order, with a synopsis of, the genera, which he reduced to twenty-four, including *Casuarina*. He divides the order into eight "series," namely : *Taxées*, *Cupressées*, *Junipérées*, *Athrotaxées*, *Nagéiées*, *Araucariées*, *Pinées*, and *Casuarinées*. The inclusion of the last is inexplicable, and some changes in nomenclature will not meet with general approval. *Belis*, Salisb. is revived for *Cunninghamia*, R. Br.; *Podocarpus*, Labill. for *Phyllocladus*, Rich.; *Agathis*, Salisb. for *Dammara*, Lamk., and *Nageia*, Gaertn. for *Podocarpus*, L'Herit."

Sir Joseph Hooker has been for some years so incessantly occupied with the completion of his "*Flora of British India*" that the detailed study of the Kew Pinetum which, as will be seen, he had proposed to himself, is entirely beyond his powers. Kew has, however, had the advantage, in drawing up the present Hand-list, of the assistance of Dr. Masters, F.R.S., who is now the acknowledged authority on the nomenclature of Conifers in this country. As a general rule at Kew, the *Genera Plantarum* is accepted as the standard of nomenclature. In the present case some deviations have been adopted, which have received the concurrence of Sir Joseph Hooker. Of these Dr. Masters has been so good as to furnish the following brief explanation :—

"The arrangement of the genera in the following list differs in a few particulars from that adopted in Bentham and Hooker's *Genera Plantarum*. The principal difference consists in the maintenance of the *Taxaceae* as a distinct order as originally proposed by Richard and followed by Endlicher, Lindley, and many other botanists. This arrangement permits of a more natural arrangement of the several taxaceous genera under two tribes, the *Salisburineae* comprising *Ginkgo*, *Cephalotaxus*, and *Torreya*, and the *Taxineae* including the two sub-tribes *Taxeae* and *Podocarpeae*. *Prumnopitys*, Philippi (with which *Stachycarpus*, Van Tieghem, is synonymous) is placed by Bentham and Hooker under *Podocarpus*, but the combination of morphological and histological characters point to the desirability of maintaining it as a separate genus.

"Among the *Coniferae* proper or *Pinaceae* a few changes have been made from the grouping of Bentham and Hooker in accordance with the fuller knowledge of certain points of structure that is now available. *Tetraclinis* is proposed as a distinct genus, represented by the North African *Callitris quadrivalvis*, on the ground of its structure and geographical distribution. *Widdringtonia* is separated from *Callitris* for similar reasons.

"The sub-divisions of *Cupressus* and of *Thuya* have been bandied about between the two genera. The genus *Cupressus*, as here understood, includes the Cypresses proper and the so-called flat Cypresses (*Chamaecyparis*) which Bentham and Hooker place under *Thuya*, and which others prefer to consider as a separate genus. *Retinispora*, it is now well known, has no claim to a separate generic position, the so-called species of this genus being merely stages of growth of particular species of *Thuya*, *Juniperus*, *Cupressus*, etc. This is proved by the occasional occurrence of many of these forms on the same bush. The North-Western American *Thuiopsis* placed under *Thuya* by Bentham and Hooker, is more like a *Cupressus*, whilst the Japanese plant known under the same generic name is a true *Thuya*. Probably the fusion of *Cupressus* and *Thuya* into one genus would be the most natural arrangement, but in practice the inconvenience of such a grouping and the consequent confusion of the nomenclature would be almost intolerable.

"*Pseudolarix* of Gordon is shown by the male flower to constitute a distinct genus, as was indeed suspected by Bentham.

"*Keteleeria* of Carrière, referred by Bentham to *Abies*, is also shown by the fuller knowledge we now have of its structure to constitute a distinct genus."

The collections of *Coniferae* at Kew have occupied three different positions at successive times. According to John Smith's privately printed *Records of Kew* (p. 258), the original Arboretum consisted of about five acres. It lay between the Temple of the Sun and the present Main Entrance. It was laid out by W. Aiton on the Linnean system. "*Pinus* occupied the north and part of the east."

In the first edition of the *Hortus Kewensis* (1789) Aiton enumerates 36 species of *Coniferae* as cultivated at Kew; in the second edition (1813) 56 species are recorded, "which formed the collection in the original Arboretum." Some of these still remain. According to Smith (p. 286), "within a few yards of the entrance gates on Kew Green stands a specimen of *P. Laricio* (the Corsican Pine). In 1825 the late R. A. Salisbury informed me that he brought it from the south of France, in the year 1814; it is now (1880) 85 feet high, and the most conspicuous tree in the Gardens."

Ginkgo biloba (Salisburia adiantifolia), first introduced in 1754, was, according to Smith (p. 267), "originally trained against a wall like a fruit tree; upon the wall being taken down, and the branches cut away, it is now (1880) a fine tree. When against the wall one of its side branches early produced male flowers." It again did so in 1895, and probably in previous years.

Cedrus Deodara was, according to Smith (p. 287), introduced "by the Hon. Leslie Melville, in the year

1831, who, on visiting the Gardens, gave me a few seeds which he had loose in his pocket, one of which vegetated, and after several years nursing was planted in the old Arboretum. . . . . In 1864 it had attained a heig' of 32 feet." The tree became diseased and was taken down in 1888. Near its former position is one, now nearly as large, raised from seed ripened in England by Sir T. D. Acland, Bart.

In 1843, by permission of the Queen, about 45 acres were added to the original Botanic Garden for the formation of a Pinetum. This included the ground formerly bounded by a wire fence on which the Palm House now stands, and to the north, west, and south of it, Smith (*Records*, p. 291) says:—"The area was planted with conifers . . . . without any special arrangement." Many of these still remain and have attained a considerable size; one of the most conspicuous is the fine specimen of *Pinus monticola*, now 56 feet high.

Kew owes its existing Pinetum to Sir Joseph Hooker, who has always taken a peculiar interest in this ancient and striking group of plants. A visit to Syria in 1860 enabled him to study the Cedar of Lebanon in its native locality. Perhaps one of the most interesting achievements of the late Turkish Ambassador, Rustem Pacha, was his successful efforts, while Governor of Northern Syria, to preserve what was left of the ancient grove.

In 1877 Sir Joseph Hooker's interest in Conifers was one of the main influences which induced him to undertake an extensive journey in Western North America. He brought back a rich harvest of specimens which were deposited in the Kew Museum.

The Kew Pinetum has been carefully developed on the lines which Sir Joseph Hooker laid down. These are sufficiently indicated in the following extract from his Report for 1872 (pp. 4–5).

"*Pinetum*.—This, which is by far the most important and extensive collection in the grounds, is now all but completed. In my Report for 1871 I stated that the genera *Abies*, *Picea*, and a few others had been planted along the new walk on the south side of the Lake. These extend for 160 yards on both sides of the path, and are now succeeded by the collection of *Pinus* proper, which extends from the termination of *Abies* to the Isleworth entrance (340 yards), and thence along the lined-out path (100 yards) that leads to the Sion vista. The collection of *Pinus* proper also extends 100 yards up the new path skirting the Queen's Cottage grounds, where it is succeeded by the collection of Yews, Cypresses, Retinisporas, Taxodiums, Thuyas, and smaller American and Japanese genera.

"The Juniper collection is planted on either side of an avenue leading through the woods from the Lake to King William's Temple, and extends for 200 yards.

"The classified and named Pinetum thus extends along nearly 2,000 yards of path and avenue, representing double that length, or two and a quarter miles of made soil, beds, and plantations, except where interrupted by old trees.

"The plants are throughout so arranged that the Old World species are as far as possible placed opposite to the American species of the same genera, and there are

on the average 3–12 specimens of each species or conspicuous variety, placed in groups. The number of specimens is about 1,200, all I believe correctly named, with the exception of some doubtful ones. Almost every species that can be grown in the open air in this country is represented. Very few have been bought, the majority being plants procured by exchange and correspondence with different parts of the world, and through the liberality of various eminent nurserymen.

"Whenever possible, the specimens in the old Pinetum have been transplanted to this, in most cases with apparent success, but of this there is no assurance till the spring is over. The specimen Pines in the Botanic Garden have not been removed."

It is only necessary to add that at the end of a quarter of a century the original plan has met with as much success as could be expected, looking at the great variety of species which it is attempted to grow under almost uniform conditions. A barren and arid soil has been congenial to some groups and fatal to others. Pines have on the whole prospered, while Spruces and Silver Firs have languished. In the latter case the maintenance of a collection illustrating Conifers as a whole can only be effected by constantly renewing it with young plants. As soon as these reach any size, they appear, under the conditions to which they are exposed at Kew, inevitably to die. It may be interesting to mention a few of the species which flourish on the Kew soil.

Ginkgo biloba (Maidenhair Tree) has already been referred to. In Japan this remarkable tree, a last

representative of one of the most ancient types of plants, is only found in the precincts of temples, where it has been almost certainly planted. Being deciduous it tolerates the neighbourhood of towns, and it is remarkable that it has not been more frequently planted in our parks. But its growth is slow.

Sciadopitys verticillata (Umbrella Pine) is represented by a vigorous specimen.

Taxodium distichum (Deciduous Cypress) bids fair to form a conspicuous feature on the islands in the Lake.

Cedrus atlantica (Atlas Cedar) grows with great rapidity at Kew. The Deodar (*Cedrus Deodara*), on the other hand, has greatly disappointed the expectations formed of it. The most shapely and graceful specimen which Kew possessed, 45 feet in height, stood on the west side of the Pagoda Vista, between the Palm House and King William's Temple. It was unfortunately destroyed by lightning on August 10th, 1895. (*Kew Bulletin*, 1895, p. 235.)

Larix europaea (Larch) grows well at Kew. Scattered through the woods are many fine specimens, the wood of which is of excellent quality.

Abies brachyphylla, from Japan, grows with great rapidity, and promises to be one of the most successful additions to the Pinetum from that country.

Pinus Coulteri is represented by a very fine specimen near the Cactus House (No. V.).

Pinus Laricio (Corsican Pine) has already been referred to.

Pinus excelsa (Bhotan Pine) is represented by numerous vigorous specimens.

Pinus monticola has already been referred to.

Of the specimen trees in the Botanic Garden some have been already mentioned. Perhaps one of the most notable was the first specimen of the Chili Pine (*Araucaria imbricata*), the history of which is given in the *Kew Bulletin* for 1893 (pp. 24, 25). It died, and was removed in the autumn of the preceding year.

Several of the tender Conifers grown in the Temperate House are fine specimens of some age.

Agathis australis (Kauri Pine) was introduced to Kew in 1838 by "Sir William Symonds, then Surveyor-General of the Navy" (Smith, *Records*, p. 289).

Agathis robusta, according to Smith (*Records*, p. 290), was introduced to Kew in 1852, and grew freely in the Palm House. It was subsequently removed into the Temperate House, the conditions of which seem to suit it even better.

Araucaria Bidwillii (Bunya Bunya) was brought to this country in 1846 by Mr. T. Bidwill, who "was superintendent *pro tem.* of the Sydney Botanic Gardens" (Smith, *Records*, p. 67). It fruited in 1873.

Araucaria Cunninghamii (Moreton Bay Pine) was discovered by Allan Cunningham in Queensland (probably about 1826), who forwarded plants to Kew, of which the existing specimen is the survivor. Some years ago it was much disfigured by a gust of wind

which carried off about 25 feet of the top. The stump was trimmed, and a new leader was speedily produced, which eventually restored the symmetry.

Araucaria excelsa (Norfolk Island Pine), a native of Norfolk Island, according to Smith (*Records*, p. 66), introduced to Kew from New South Wales in 1793, by Governor Phillips (first Governor of New South Wales). The necessity for providing adequate accommodation for this and other striking plants led to the erection of the Temperate House, to which they were transferred in 1863. The habit of the specimen at Kew, which is now more than a century old, is a good deal altered (and perhaps improved) by the pruning necessary to keep it within bounds, even in its present position.

Kew, March, 1896.

PREFACE TO SECOND EDITION.

THE first edition (1896) of the Hand-list of Coniferae grown in the Kew Arboretum has been for some time exhausted.

It is now republished after having been carefully revised and enlarged by the addition of the names of numerous species and varieties which have been added to the collection since the first edition was prepared. For the revision I am indebted to Dr. Masters, F.R.S.

The number of Coniferous plants now enumerated includes 246 species and 451 varieties, or some 700 "sorts" in all.

In the first edition it was stated (p. 16) that *Ginkgo biloba* "is apparently nowhere known in the wild state." Several fine specimens have since been found by Mrs. Bishop in the magnificent forests which surround the sources of the Great Gold river and the smaller Min, in Western China, and also in the forests of Central Yesso, Japan. (*Journ. Linn. Soc. Bot.*, xxvi. 547.)

The following measurements of exceptional specimens have been made by Mr. W. J. Bean, the Assistant Curator. Those marked with a † exceed the dimensions recorded in the report of the Royal Horticultural Society's Conifer Conference in 1892 :—

† *Abies brachyphylla*; in collection, 39 feet high; 2 feet girth.

Agathis australis ; in temperate house, 31 feet high ; 1 foot 2 inches girth.

Agathis robusta ; in temperate house, 39 feet high ; 1 foot 8 inches girth.

Araucaria Bidwillii ; northern half of temperate house ; girth 3 feet 7 inches ; present height 48 feet, but has been cut down.

Araucaria Cookii ; in temperate house, 30 feet 6 inches high ; 1 foot 4 inches girth.

Araucaria Cunninghamii ; in temperate house, girth 3 feet ; has been lowered several times, present height 47 feet.

Araucaria excelsa ; in temperate house, 48 feet high (before the top was removed 53 feet high) ; 3 feet 7 inches girth.

Cedrus atlantica ; there are specimens in Kew between 60 feet and 70 feet high.

* *Cedrus Libani* ; several fine specimens in Kew ; the best, probably, is the one terminating a short vista N.W. of the Palm House ($\frac{7}{F}$ on key plan), 69 feet high ; 14 feet 2 inches girth.

Cupressus macrocarpa ; near Lily pond, 49 feet high ; 5 feet 4 inches girth.

† *Ginkgo biloba* ; near No. 3 Fernery, 61 feet high ; 9 feet 2 inches girth (at 2 feet 6 inches from ground).

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* Except where otherwise stated the girth of the trunk is taken at 3 feet from the ground.

† *Larix europaea*, a dead tree felled in wood near Temperate House, November, 1902, was 105 feet long as it fell, a small portion, estimated at 5 feet or 6 feet, had previously been blown off the top so that at its prime it must have been at least 110 feet high.

Picea Omorica; this spruce is one of the most promising in Kew, a tree about 14 years old, is now 17 feet 6 inches high; 11 inches girth.

Pinus bungeana; in collection, 20 feet high; 1 foot 8 inches girth.

† *Pinus Coulteri*; near Succulent House, 54 feet high; 7 feet 5 inches girth.

Pinus excelsa; on lawn near Victoria Gate, 62 feet high; 7 feet 8 inches girth.

Pinus flexilis; in collection near Isleworth Gate, 31 feet high; 2 feet 6 inches girth; has produced cones for several years.

† *Pinus lambertiana*; in collection near Lily Pond, 63 feet high; 4 feet 7 inches girth.

† *Pinus Laricio*; near main entrance, 86 feet high; 9 feet 3 inches girth.

† *Pinus Laricio* var. *pallasiana*; in collection, 60 feet high; 7 feet girth.

Pinus monticola; on lawn N.W. of Water-lily House; 63 feet high; 5 feet 1 inch girth.

Pinus palustris; in collection, 19 feet high; 8 inches girth.

† *Pinus Pinaster*; near Old Oak Avenue, 71 feet high; 7 feet 8 inches girth.

† *Pinus Pinea* ; near Director's Office, 31 feet high ; 7 feet 7 inches girth ; 46 feet diameter.

† *Pinus sabiniana* ; in collection, 55 feet high ; girth 8 feet 2 inches (at 18 inches from ground).

Pinus Strobus ; in Rhododendron Dell, 74 feet high ; 6 feet 2 inches girth ; one of several old trees now decaying.

Pinus sylvestris ; near Pagoda, 79 feet high ; 7 feet 3 inches girth.

Pseudolarix Kaempferi ; 25 feet high ; 2 feet 4 inches girth.

† *Sciadopitys verticillata* ; in collection, 14 feet 9 inches high ; 1 foot 4 inches girth.

Sequoia sempervirens ; in collection, 66 feet high, 8 feet 8 inches girth. The top of this tree was blown off some years ago, and although a new and vigorous leader has been formed the tree is not so high as formerly.

W. T. T. D.

Kew, April, 1903.

TAXACEAE.

Tribe I.—Salisburineae.

Ginkgo biloba, *L.* Veitch Manual ed. 1, 313, f. 63; ed. 2, 107 f. China. "The Maidenhair tree."

Salisburia adiantifolia, *Salisb.*

Var. fastigiata.

Var. macrophylla laciniata.

Var. pendula.

Var. triloba.

Var. variegata.

Cephalotaxus drupacea, *Sieb. & Zucc.* Fl. Jap. ii. tt. 130, 131. Japan.

C. Fortuni, *Hook.* Bot. Mag. t. 4499; Beissner Handbuch 182, f. 45. Northern China.

Var. brevifolia, *Hort.?*

Var. longifolia, *Hort.?*

Var. robusta.

C. Oliveri, *Mast.* Icones Plantarum t. 1933, Gard. Chron. 1903, xxxiii. 227, f. 93. China.

C. pedunculata, *Sieb. & Zucc.* Fl. Jap. ii. t. 132. Veitch Manual ed. 2, 115, f. 50; Beissner Handbuch 179, f. 44.

Taxus Harringtonia, *Knight & Perry.*

* Those species marked with an asterisk are grown under glass.

Cephalotaxus pedunculata—*cont.*

Var. fastigiata, *Carr.* Rev. Hortic. 1863, 349, f. 36.

C. Buergeri, *Miq.*

Podocarpus koraianus, *Hort.*

Taxus japonica, *Hort.*

Torreya californica, *Torr.* Sargent Silva x. t. 513. California. "California Nutmeg."

T. Myristica, *Hook.* Bot. Mag. t. 4780; Gard. Chron. 1884, xxii. 681, f. 116.

T. nucifera, *Sieb. & Zucc.* Fl. Jap. ii. t. 129. Japan.

T. taxifolia, *Arn.*; Beissner Handbuch 187, f. 46. Sargent Silva x. t. 512. W. Florida. "Stinking Cedar."

Tribe II.—Taxineae.

Sub-tribe I.—Taxeae.

*Phyllocladus rhomboidalis, *Rich.* Conif. t. 3, f. 2. Tasmania. "Adventure Bay Pine."

YEWS.

Taxus baccata, *L.*; Beissner Handbuch 168, f. 43; Eng. Bot. ed. 3. t. 1384; Bentl. & Trim. Medic. Plants t. 253. Europe and Northern Asia. "Common Yew."

Var. adpressa, *Carr.*

T. adpressa, *Gordon.*

T. brevifolia, *Hort.* (not *Nutt.*)

T. sinensis tardiva, *Knight.*

Var. adpressa aurea.

Taxus baccata—*cont.*

Var. adpressa stricta.

T. adpressa erecta, *Hort.*

T. adpressa fastigiata, *Hort.*

T. adpressa stricta, *Hort.*

T. baccata verticillata, *Hort.*

Var. adpressa variegata.

Var. albo-variegata, *Spaeth.*

Var. argentea.

Var. aurea.

Var. aureo-variegata.

Var. Barroni.

Var. brevifolia.

Var. cheshuntensis, *Gord.*

Var. Dovastoni, *Carr.* Rev. Hortic. 1861, 175, f. "Westfelton Yew."

T. Dovastoni, *Hort.*

T. pendula, *Hort.*

T. umbraculifera, *Hort.*

Var. Dovastoni aureo-variegata.

Var. elegantissima.

Var. epacridioides.

Var. erecta, *Loud.*

T. baccata stricta.

T. baccata Crowderi.

Var. ericoides.

T. baccata empetrifolia.

T. baccata microphylla.

T. baccata Mitchelli.

Taxus baccata—*cont.*

Var. expansa, *Carr.*

Var. fastigiata, *Loud*; Veitch Manual ed. 2, 141, f. 52. "The Irish Yew."

T. hibernica, *Hook.*

Var. fastigiata argentea.

Var. fastigiata aurea, *Standish.*

T. hibernica aurea.

Var. fastigiata Standishii.

Var. Fisheri.

Var. Foxi.

Var. fructu luteo.

Var. glauca, *Carr.*

T. baccata subglaucescens, *Jacques.*

T. baccata nigra. *Hort.*

Var. gracilis pendula.

Var. horizontalis, *Knight.*

T. disticha, *Wender.*

Var. horizontalis elegantissima.

Var. imperialis.

Var. Jacksoni.

Var. nana, *Knight & Perry.*

Var. "Neidpath."

Var. procumbens, *Lodd.*

Var. pyramidalis.

Var. pyramidalis variegata.

Var. recurvata, *Carr.*

T. recurvata, *Lawson.*

Taxus baccata—*cont.*

Var. semperaurea.

Var. Sieboldi.

Var. sinensis, *Knight.*

Var. Washingtoni.

T. canadensis Washingtoni, *Hort.*

T. brevifolia, *Nutt.* Sylva t. 108 ; Sargent Silva x. t. 514, Western N. America. "Californian Yew."

T. canadensis, *Willd.* Canada and N. Eastern United States. "Canadian Yew."

Var. aurea.

T. cuspidata, *Sieb. & Zucc.* Fl. Jap. ii. t. 128. Mountains of Japan. "Japanese Yew."

T. baccata cuspidata, *Carr.*

Var. compacta.

*Dacrydium araucaroides, *Brongn. & Gris.* New Caledonia.

*D. cupressinum, *Soland.* ; Kirk Forest Flora of New Zealand tt. 18, 19. New Zealand.

*D. elatum, *Wall.* ; Blume Rumphia iii. tt. 172. b, 172. c. Malaya.

*D. Franklini, *Hook. f.* Flora Tasmaniae t. 100. Tasmania.

Sub-tribe II.—Podocarpeae.

Podocarpus alpina, *R. Br.* Tasmania.

*P. amara, *Blume* Rumphia iii. t. 170. Java.

*P. argotaenia, *Hance.* China.

P. insignis, *Hemsl.*

*Podocarpus canaliculata, *Hort.* Origin uncertain.

*P. chilina, *Rich.* Conif. t. 1, f. 1. Andes of Chili.
P. andina, *Hort.* (not *Poepp.*).

*P. cupressina, *R. Br.* Benn. Pl. Jav. Rar. t. 10. Burma, Malaya.

*P. dacrydioides, *A. Rich.* Kirk Forest Flora of New Zealand tt. 31, 32. New Zealand.

*P. elongata, *L'Herit.*; Engler Pflanzenw. Ost.-Afr. t. i. E. Africa, &c.

*P. ferruginea, *D. Don.*; Kirk Forest Flora of New Zealand t. 84. New Zealand.

*P. japonica, *Sieb.* Japan.

*P. macrophylla, *D. Don.*; Sieb. & Zucc. Fl. Jap. ii. tt. 133, 134. Japan.

*P. Nageia, *R. Br.*; Sieb. & Zucc. Fl. Jap. ii. t. 135. Japan.

*Var. rotundifolia.

*P. neriifolia, *D. Don.*; Bot. Mag. t. 4655. Himalaya.

*P. nubigena, *Lindl. & Paxt.* Flower Garden 1851, 162. f. 128; Gard. Chron. 1891, x. 171, f. 23. Chili.

*P. pectinata, *Panch.* (ex. *Brongn. & Gris.*); Bot. Mag. t. 7854. New Caledonia.

Dacrydium Pancheri, *Brongn & Gris.*

*P. purdieana, *Hook.* Icones Plantarum t. 624. Jamaica.

*P. salicifolia, *Klotzsch & Karst.* Colombia.

*Podocarpus Totara, *G. Benn.*; Kirk Forest Flora of New Zealand t. 115. New Zealand.

Some of the above-mentioned species may really belong to Prumnopitys, but until they flower and can be critically examined and determined it seems better to include them provisionally under Podocarpus.

Prumnopitys elegans, *Philippi*; Veitch Manual ed. 2, 154, ff. 53–4. Chili.

Podocarpus andina, *Poepp.*

Stachycarpus andina, *Van Tieghem.*

*P. spicata, *Mast.* New Zealand.

Podocarpus spicata, *R. Br.*; Kirk Forest Flora of New Zealand, tt. 4, 5.

*P. taxifolia, *Mast.* Andes.

Podocarpus taxifolia, *H. B. K.* Nov. Gen. et Sp. ii. t. 97.

Taxodium bogotense, *Hort.*

Saxegothea conspicua, *Lindl.*; Gard. Chron. 1889, v. 782, f. 125. Veitch Manual ed. 2, 159, f. 55. Southern Chili. "Prince Albert's Yew."

*Microcachrys tetragona, *Hook. f.* Bot. Mag. t. 5576. Tasmania.

PINACEAE.

Tribe I.—Cupressineae.

Sub-tribe I.—Juniperinae. "Junipers."

†Sabina.

***Juniperus barbadensis**, *L.*; Sargent Silva xiv. t. 738. Southern United States. "Red Cedar."

J. bermudiana, *Lunan.*

J. virginiana, (in part) various authors.

J. virginiana var. australis, *Endl.*

J. virginiana var. barbadensis, *Gordon.*

J. virginiana var. bermudiana, *Vasey.*

***J. bermudiana**, *L.*; Hemsl. Gard. Chron. 1883, xix. 657, f.f. 105–6; Sargent, Garden and Forest, 1891, 289, f.f. 51–2. Bermuda.

J. fragrans, *Hort.*

J. californica, *Carr.*; Rev. Hort. 1854, 353. f. 21. Sargent Silva x. t. 517. Utah, Arizona, California.

J. chinensis, *L.*; Sieb. & Zucc. Fl. Jap. ii. tt. 126, 127; Beissner Handbuch, 119, f. 29. Himalaya, China, Japan.

J. Cabiancae, *Vis.*

J. canadensis aurea, *Hort.*

J. densa, *Gord.*

Juniperus chinensis—*cont.*

J. flagelliformis, *Hort.*

J. jakobiana, *Hort. Jakob-Makoy.*

J. japonica, *Carr.*

J. reevesiana, *Hort.*

J. squamata, *Hort. Edinb.*

J. struthiacea, *Knight & Perry.*

J. Thunbergii, *Hook. & Arn.*

Var. albo-variegata.

Var. aurea.

J. japonica, *Carr.* var. aurea, *Hort.*

Var. glauca.

Var. pfitzeriana, *Spaeth.*

Var. Smithii.

Var. variegata.

J. excelsa, *Bieb.* Asia Minor, Taurus. "Greek Juniper."

J. phoenicea, *Pallas* Fl. Ross. t. 64 (not *L.*).

Var. Perkinsii.

Var. stricta.

Var. venusta.

***J. flaccida,** *Schlecht.*; Sargent Silva x. t. 519. Mountains of Mexico.

J. macropoda, *Boiss.* Himalaya.

J. excelsa, *Brandis* (not *Bieb.*).

***J mexicana,** *Schiede.* Mountains of Mexico.

Juniperus occidentalis, *Hook*; Sargent Silva x. t. 521. North Western America.

J. dealbata, *Hort. aliq.* (not *Loud.*).

J. pyriformis, *Lindl.*

Chamaecyparis Boursieri, *Decne.* (not *Carr.*).

Var. **Burkei.**

Var. **fragrans.**

J. pachyphlaea, *Torr.*; Sargent Silva x. t. 520. New Mexico, Arizona.

J. phoenicea, *L.*; Laguna Fl. Forest. Esp. t. 14. Mediterranean region.

J. bacciformis, *Carr.*

J. Lycia, *L.* (not *Pall.*).

J. tetragona, *Moench.*

Var. **turbinata.**

J. dealbata, *Hort. aliq.*

J. oophora, *Kunze.*

J. pseudo-Sabina, *Fisch. & Mey.* Siberia, Himalaya, Tibet.

J. recurva, *Buch-Ham.*; Gard. Chron. 1883, xix. 468, f. 69; Veitch Manual ed. 2, 186, f. 57. Nepal, Cashmir.

Var. **pendula.**

Var. **squamata**, *Parl.*

J. densa, *Gord.*

J. excelsa, *Bieb.* var. nana, *Endl.*

J. religiosa, *Royle.*

J. squamata, *Buch.-Ham.*

Juniperus Sabina, *L.;* Beissner Handbuch, 108, f. 27. Mountains of Europe and N. America. "Savin.

J. excelsa, *Willd.* (not *Bieb.*).

J. Lycia, *Pall.* (not *L.*).

Var. **humilis**, *Endl.*

Var. **procumbens**, *Pursh.* N. America. "Waukegan Juniper."

Var. **prostrata**, *Loud.* "Carpet Juniper."

J. hudsonica, *Lodd.*

J. prostrata, *Pers.*

J. repens, *Nutt.*

Var. **tamariscifolia**, *Ait.* "Spanish Savin."

Var. **variegata**.

J. scopulorum, *Sargent* Silva xiv. t. 739. W. United States. "Red Cedar."

J. excelsa, *Pursh* (not *Bieb.*).

J. occidentalis, *Porter* (not *Hook.*).

J. virginiana, *Torrey* (not *Lindl.*).

J. virginiana var. montana, *Vasey.*

J. sphaerica, *Lindl.*, Lindl. & Paxt. Flow. Gard. 1850, 58, f. 35. North China.

J. chinensis var. Smithii, *Loud.*

J. Fortunei, *Van Houtte.*

Var. **glauca**, *Gord.*

J. Shephardi, *Hort.*

J. Sheppardi, *Hort.*

J. tetragona, *Schlecht.* Mountains of Mexico. "Rock Cedar."

J. sabinoides, *Sargent* Silva x. t. 523.

Juniperus thurifera, *L.*; Veitch Manual ed. 1, 271, f. 60; ed. 2, 192, f. 59. Spain, Portugal, Algiers. "Incense Juniper."

J. bonatiana, *Vis.*

J. cinerea, *Carr.*

J. foetida var. thurifera, *Spach.*

J. hispanica, *Lam.*

J. sabinoides, *Endl.*

J. utahensis, *Lemmon*; Sargent Silva x. t. 518. Utah, Colorado.

J. californica var. utahensis, *Engelm.*

J. occidentalis, *Watson* (not *Hook.*).

J. occidentalis var. utahensis, *Kent.*

J. virginiana, *L.* Sargent Silva x. t. 524. North-east America. "Red Cedar."

Var. **argentea.**

Var. **aureo-spica**, *Hesse.*

Var. **aureo-variegata.**

Var. **bedfordiana**, *Knight.*

J. bedfordiana, *Hort.*

J. gossainthaneana, *Lodd.*

J. gracilis, *Hort.*

J. virginiana gossainthaneana, *Carr.*

Var. **Cannartii.**

Var. **Chamberlaynii**, *Carr.*

Var. **cinerascens**, *Carr.*

Var. **clanbrassiliana.**

Var. **compacta.**

Var. **elegantissima.**

Var. **glauca**, *Carr.*

Juniperus virginiana—*cont.*

Var. horizontalis.

Var. humilis.

Var. kosteriana.

Var. pendula, *Carr.*

Var. pyramidalis glauca.

Var. Schottii, *Gordon.*

J. virginiana viridis, *Hort.*

Var. Smithii pendula.

Var. tripartita.

Var. viridis.

Var. viridis pendula.

†† Oxycedrus.

*J. Cedrus, *Webb.* Mountains of the Canaries.

J. communis, *L.*; Beissner Handbuch 134, f. 31; Sargent Silva x. t. 516. Europe, Siberia. "Common Juniper."

Var. alpina.

J. alpina, *S. F. Gray.*

J. canadensis, *Lodd.*

J. nana, *Willd.*

Var. alpina aurea.

J. canadensis aurea.

Var. aurea.

Var. fastigiata.

J. hibernica, *Gord.*

J. hispanica, *Booth.* ex *Endl.*

J. suecica, *Mill.*

Juniperus communis—*cont.*

Var. glauca.

Var. hemisphaerica. "Hedgehog Juniper."

J. hemisphaerica, *Presl.*

J. nana *var.* hemisphaerica, *Carr.*

Var. oblonga.

J. oblonga, *Bieb.*

Var. reflexa.

J. communis var. caucasica.

J. oblonga, *Gord.*

J. henryana, *R. Br. Campst.* Gard. Chron. 1873, 8. North-Western America.

J. litoralis, *Maxim.* Japan.

J. conferta, *Parl.*

J. macrocarpa, *Sibth.*; Reichb. Ic. Fl. Germ. xi. t. 537. Mediterranean Region.

J. Oxycedrus, *L. Herb.* nec *Sp. Pl.*

J. neaboriensis, *Hort.*

J. sphaerocarpa, *Antoine.*

J. umbilicata, *Gren. & Godr.*

J. Willkommii, *Antoine.*

J. Oxycedrus, *L.*; Rich. Conif. 39, t. 6; Köhler Med.-Pflanz. iii. 79. South Europe, &c.

J. biebersteiniana, *C. Koch.*

J. rufescens, *Link.*

J. tenella, *Antoine.*

J. rigida, *Sieb. & Zucc.* Flor. Jap. ii. 109, t. 125. Mountains of Japan.

J. taxifolia, *Hook. & Arn.* China and Japan.

J. oblonga pendula, *Hort.*

††† Arceuthos.

Juniperus drupacea, *Labill.*; Gard. Chron. 1896, xix. 519, f. 80; Veitch Manual ed. 2, 173, f. 56. Mountains of the Levant. "Syrian Juniper."

J. rufescens, *Hort. Edinb.*

Arceuthos drupacea, *Antoine.*

Sub-tribe II.—Callitrinae.

*Tetraclinis articulata, *Mast.* Algiers, Marocco.

Callitris quadrivalvis, *Rich.* Conif. t. 8, f. 1; Loudon Encycl. 1072, f. 1995; Köhler Med.-Pflanz. ii. t. 129.

Frenela Fontanesii, *Mirbel.*

Thuya articulata, *Vahl.*

*Callitris australis, *Sweet.* Australia.

Frenela australis, *R. Br.*; Hook. f. Fl. Tasman. t. 97.

*C. calcarata, *R. Br.* Australia.

Frenela Endlicheri, *Parl.*

*C. cupressoides, *Schrad.* S. Africa.

*C. Parlatorei, *F. Muell.* Australia.

Frenela Parlatorei, *F. Muell.*

*C. rhomboidea, *R. Br.*; Rich. Conifer. 47 t. 18. Australia.

Frenela rhomboidea, *Endl.*

*C. robusta, *R. Br.* Australia.

Frenela robusta, *A. Cunn.*

*Var. verrucosa, *Benth. & F. Muell.*

C. verrucosa, *R. Br.*

*Actinostrobus pyramidalis, *Miq.*; Hook. Icones Plantarum t. 1272. West Australia.

*Widdringtonia Whytei, *Rendle* in Trans. Linn. Soc. Bot. Ser. 2. iv. 60. t. 9. Mountains of Central Africa. "The Milanji Cypress."

Sub-tribe III.—Thuynæ.

*Fitzroya Archeri, *Benth. & Hook. f.* Tasmania.

Diselma Archeri, *Hook. f.* Fl. Tasman. t. 98.

*F. patagonica, *Hook. f.* Bot. Mag. t. 4616. Mountains of Western Patagonia, Chili, Valdivia.

Widdringtonia glauca, *Hort.*

† EuCupressus.—"*Cypresses.*"

*Cupressus Benthami, *Endl.*; Journ. Linn. Soc. Bot. xxxi. 341, f. 15. Mountains of Mexico and Guatemala.

C. aromatica, *Gord.*

C. braziliensis, *Hort.*

C. Coulteri, *Forbes.*

C. Ehrenbergii, *Kunze.*

C. elegans, *Hort.*

C. excelsa, *Scott.*

C. Hugeli, *Hort.*

C. karwinskyana, *Regel.*

C. lusitanica, *Carr.* (not *Mill.*).

C. Skinneri, *Hort.*

C. thurifera, *Schlecht.*

C. uhdeana, *Hort.* (in part).

Var. arizonica.

Cupressus arizonica, *Greene.*

*Cupressus funebris, *Endl.*; Gard. Chron. 1850, 439, f. 31. China.

C. amoena, *C. Koch.*

C. pendula, *Abel* (not *Thunb.*).

*Var. glauca.

C. kashmiriana, *Hort.*

C. goveniana, *Gord.*; Journ. Hort. Soc. London 1849, iv. 295, f. Sargent Silva x. t. 527. California.

C. californica, *Carr.*

*C. lusitanica, *Mill.*; Veitch Manual ed. 2, 211, f. 60. Locality unknown. "The Cedar of Goa."

C. glauca, *Lam.*

C. pendula, *L'Herit.*

C. uhdeana, *Gord.* (in part).

C. macnabiana, *A. Murr.*; Veitch Manual ed. 2, 213, f. Sargent Silva x. t. 528. Mountains of California.

C. glandulosa, *Hook.*

C. macrocarpa, *Hartw.*; Veitch Manual ed. 2, 215, ff. 62–3. Sargent Silva x. t. 525. California, near the coast. "Monterey Cypress."

C. Hartwegii, *Carr.*

C. lambertiana, *Gord.*

Var. Crippsii.

Var. fastigiata.

Var. guadeloupensis.

Cupressus guadeloupensis, *S. Wats.*

Var. lutea.

C. pygmaea, *Sargent*, Silva xiv. t. 740; California.

C. goveniana var. pygmaea. *Lemmon.*

C. goveniana, *Sargent* (partly).

Cupressus sempervirens, *L.*; Beissner Handbuch 101, f. 26; Reichb. Ic. Fl. Germ. xi. t. 534. Levant.

C. horizontalis, *Mill.*

C. patula, *Spad.*

C. sempervirens var. horizontalis, *Gord.*

C. Tournefortii, *Audib.*

Var. **fastigiata.**

C. ambigua, *Hort.*

C. bedfordiana, *Hort.*

C. conoidea, *Spad.*

C. fastigiata, *DC.*

C. pyramidalis, *Targ. Tozz.*

Var. **flagelliformis.**

Var. **globulifera.**

Var. **indica**, *Royle.*

C. australis, *Low.*

C. doniana, *Hort.*

C. Roylei, *Carr.*

C. whitleyana, *Hort.*

Var. **retrofracta.**

Var. **thuiaefolia.**

C. torulosa, *D. Don.*; Veitch Manual ed. 2, 233, f. 71; Lawson Pinet. Brit. ii. t. 35. W. Himalaya. "Tufted Cypress."

C. Tournefortii, *Tenore* (not *Audib.*).

*Var. **corneyana.** Locality unknown.

C. corneyana, *Gord.*

Var. **majestica.**

††Chamaecyparis.

Cupressus lawsoniana, *A. Murr.* Sargent Silva x. t. 531 ; Bot. Mag. t. 5581. North California, Oregon. "The Lawson Cypress."

Chamaecyparis Boursieri, *Carr.*

C. lawsoniana, *Parl.* ; Beissner Handbuch 72, f. 17.

The varieties, which are very numerous, admit of a rough classification according to their most conspicuous characters. Many of them lose their peculiar form as they increase in age ; they also vary in their degree of hardiness.

Variations in Colour of Foliage.

Var. albo-maculata.

Var. albo-picta.

Var. albo-spica.

Var. albo-variegata.

Var. argentea.

Var. argenteo-variegata.

Var. aurea.

Var. aurea nova.

Var. aureo-variegata.

Var. beissneriana, *P. Smith.*

Var glauca.

Var. glauca pendula.

Var. gracilis.

Var. gracilis aurea.

Var. lutea.

Cupressus lawsoniana—*cont.*

Var. ochroleuca.

Var. Rosenthali.

Var. Silver Queen.

Var versicolor.

Var. Westermanni.

Variations in Form and Habit.

1.—*Columnar or fastigiate.*

Var. Allumi.

Cupressus lawsoniana var. Fraseri.

Var. contorta.

Var. erecta filiformis.

Var. erecta viridis.

Var. erecta viridis argentea.

Var. ericoides.

Var. Wisselii.

2.—*Spreading.*

Var. amabilis.

Var. Bowleri.

Var. californica.

Var. darleyensis.

Var. fragrans.

Var. fragrans argentea.

Var. intertexta.

Var. juniperina.

Cupressus lawsoniana—*cont.*

Var. Krameri.

Var. lycopodioides.

Var. patula.

Var. Smithii.

Var. Youngi.

3.—*Pendulous.*

Var. glauca pendula.

Var. gracilis gracillima.

Var. gracilis pendula.

Var. pendula vera.

4.—*Globose, dwarf varieties.*

Var. compacta.

Var. minima glauca.

Var. nana.

Var. Shawii.

C. nootkatensis, *Lamb.* Sargent Silva **x.** t. 530. **Oregon,** British Columbia. "Yellow Cypress."

Chamaecyparis nutkaensis, *Spach*; Beissner Handbuch 81, f. 19.

Thuiopsis borealis, *Hort.*

T. troubetskoyana, *Hort.*

T. Tschugatskoyii, *Hort.*

Var. albo-variegata.

Var. argenteo-variegata.

Var. aureo-variegata.

Cupressus nootkatensis—*cont.*

Var. aureo-viridis

Var. compacta.

Var. glauca.

Var. gracilis.

Var. lutea.

Var. nidifica, *Rovelli.*

Var. pendula.

Var. variegata.

C. obtusa, *C. Koch*; Veitch Manual ed. 2, 220, f. 64 Mountains of Japan.

Chamaecyparis obtusa, *Sieb. & Zucc.*

Retinispora obtusa, *Sieb. & Zucc.* Fl. Jap. ii. t. 121.

Var. pygmaea.

Thuya obtusa var. pygmaea, *Hort.*

Chamaecyparis obtusa var. pygmaea, *Hort.*

Stages of growth and varieties of *C. obtusa* all known as Retinisporas (often spelt Retinospora) in gardens.

Var. aurea.

Var. compacta.

Var. erecta viridis.

Var. filicoides; Veitch Manual ed. 2, 221, f. 65.

Retinispora nobleana, *Hort.*

Var. gracilis.

Var. gracilis aurea.

Var. Keteleeri.

Var. lycopodioides.

Var. magnifica.

Cupressus obtusa—*cont.*

Var. nana.

Var. nana aurea.

Var. nana gracilis.

Var. tetragona aurea.

Var. variegata.

C. pisifera, *C. Koch.* Mountains of Japan.

Chamaecyparis pisifera, *Sieb. & Zucc*; Veitch Manual ed. 2, 224, f. 67; Beissner Handbuch 84, f. 20.

Retinispora pisifera, *Sieb. & Zucc.* Fl. Jap. ii. t. 122.

Stages of growth and varieties of *C. pisifera.* all called Retinispora in gardens.

Var. albo picta.

Var. darleyensis.

Var. filifera, *Mast.*; Veitch Manual ed. 2, 225, f. 68.

Retinispora filifera, *Gordon.*

Var. filifera aurea.

Var. filifera variegata.

Var. plumosa.

Var. plumosa argentea.

Var. plumosa aurea.

Var. plumosa flavescens.

Retinispora plumosa sulphurea.

Var. squarrosa. Veitch Manual ed. 2, 226, f. 69.

Var. squarrosa sulphurea.

C. thyoides, *L.* Sargent Silva x. t. 529. East United States. "White Cedar."

Chamaecyparis sphaeroidea, *Spach*; Beissner Handbuch p. 66, f. 13.

Retinispora ericoides, *Gord.* (not *Veitch*).

Cupressus thyoides—*cont.*

Var. atrovirens.

Var. glauca.

Var. Hoveii.

Var. kewensis.

Var. leptoclada, *Mast.*

Chamaecyparis thyoides var. andeleyensis, *Carr.*

Var. leptoclada nana.

Var. variegata.

Var. viridis.

† EUTHUYA.—"*Arborvitae.*"

Thuya occidentalis, *L.*; Beissner Handbuch 34, f. 4. Sargent Silva x. t. 532. Canada and North-Eastern States of North America to mountains of North Carolina. "The American Arborvitae."

T. obtusa, *Moench.*

T. odorata, *Marsh.*

T. sibirica, *Hort.*

Cupressus Arbor-vitae, *Targ. Tozz.*

Variations in Colour of Foliage.

Var. aurea.

Var. Buchanani.

Var. ellwangeriana aurea.

Var. lutea.

Var. pulverulenta.

Var. Riversii.

Thuya occidentalis—*cont.*

Var. **vervaeneana.**
T. aurescens.

Var. **Wagneri,** *Froebel.*
T. columnaris.
T. Versmanni.

Var. **wareana.**
T. caucasica, *Hort.*

Var. **wareana lutescens,** *Hesse.*

Var. **Waxen,** *Spaeth.*

Variations in Form and Habit.

Var. **Bodmeri.**

Var. **caucasica,** *Hort.*

Var. **cristata.**

Var. **densa.**

Var. **Dicksoni.**

Var. **dorkinensis.**

Var. **Douglasi.**

Var. **ellwangeriana.**
Retinispora ellwangeriana, *Hort.*
R. "Tom Thumb," *Hort.*

Var. **erecta.**

Var. **erecta viridis.**

Var. **ericoides**
Retinispora dubia, *Hort.*

Var. **flabellata.**

Var. **globosa.**

Thuya occidentalis—*cont.*

Var. **globosa compacta.**

Var. **Hovei.**

Var. **pendula.**

Var. **Spaethii**, *R. Smith.*

T. Ohlendorfi, *Hort.*

T. tetragona, *Hort.*

It is possible that some of these forms may belong to T. plicata, *D. Don*, whilst some of those allotted to the latter may be forms of T. occidentalis.

†† Macrothuya.

T. japonica, *Maxim* ; Gard. Chron. 1897, xxi. 259, f. 87. Japan.

Thuya gigantea var. japonica, *Franch. & Sav.*

T. Standishii, *Carr.*

Thuyopsis Standishii, *Gord.*

T. plicata, *D. Don* ; Masters in Gard. Chron. 1897, xxi. 101, 213, 258, (not of gardens). North West America. "Red" or "Canoe Cedar."

T. gigantea, *Nutt.* ; Beissner Handbuch 48 f. 7 ; Veitch Manual ed. 2, 240, f. 72.

T. craigiana, *Hort.*

T. Lobbi, *Hort.*

T. Menziesii, *Carr.*

Var. **atrovirens.**

Var. **aurea.**

Var. **compacta.**

Var. **fastigiata.**

Var. **gracilis.**

Thuya plicata—*cont.*

Var. pendula.

Var. pumila.

Var. pyramidalis.

Var. recurva nana.

Var. recurvata.

Var. semperaurescens.

Var. umbraculifera.

Var. zebrina.

††† Thuyopsis.

T. dolabrata, *L. f.*; Gard. Chron. 1882, xviii. 556, f. 95. Mountains of Japan.

Thuyopsis dolabrata, *Sieb. & Zucc.* Fl. Jap. ii. tt. 119, 120; Beissner Handbuch 53, f. 9.

Platycladus dolabrata, *Spach.*

Var. nana, *Sieb. & Zucc.*

Thuyopsis laetevirens, *Lindl.*

Var. variegata.

†††† Biota.

T. orientalis, *L.*; Sieb. & Zucc. Fl. Jap. ii. t. 118. North China and Japan. "Chinese Arborvitae."

T. acuta, *Moench.*

Biota orientalis, *Endl.*; Beissner Handbuch 55, f. 10.

Cupressus Thuya, *Targ. Tozz.*

Platycladus stricta, *Spach.*

Var. argenteo-variegata.

Biota orientalis var. argentea, *Gord.*

Thuya orientalis—*cont.*

B. orientalis var. variegata, *Endl.*
Thuya argentea, *Hort.*
T. variegata, *Hort.*

Var. athrotaxoides.

Var. aurea.

Biota orientalis aurea nana, *Hort.*
Thuya aurea, *Hort.*
T. nana aurea, *Hort.*
T. nana compacta aurea, *Hort.*

Var. aureo-variegata.

Biota orientalis var. variegata, *Gord.*
Thuya orientalis aureo-variegata, *Hort.*
T. variegata, *Hort.*

Var. compacta.

Biota japonica, *Sieb.*
B. orientalis var. nana, *Carr.*
B. orientalis var. Sieboldi, *Endl.*
B. zuccariniana, *Sieb.*
Thuya compacta, *Hort.*
T. nana, *Hort.*
T. zuccariniana, *Hort.*

Var. decussata.

Biota orientalis var. decussata, *Beissn. & Hochst.*
Chamaecyparis decussata, *Hort.*
Frenela glauca, *Hort.* (not *Mirbel*).
Juniperus glauca, *Hort.*
Retinispora flavescens, *Hort.*
R. juniperoides, *Carr.*
R. rigida, *Carr.*
R. squarrosa, *Hort.* (not *Zucc.*).

Thuya orientalis—*cont.*

Var. densa.

Biota orientalis densa glauca *Hort.*

Var. elegantissima.

Biota elegantissima, *Hort.*

Var. ericoides.

Retinispora ericoides, *Hort.*

Var. falcata.

Var. falcata nana.

Var. falcata nova.

Var. freneloides.

Var. Froebeli.

Var. funiculata.

Var. glauca.

Var. globosa.

Var. gracilis.

Thuya freneloides, *Hort*

T. japonica, *Hort.*

T. nepalensis, *Hort.*

Var. Hoveyii.

Var. incurvata.

Var. intermedia.

Biota orientalis var. intermedia. *Carr.*

B. intermedia, *Hort.*

B. pendula, *Endl.* var.

Thuya intermedia, *Hort.*

Thuya orientalis—*cont.*

Var. **meldensis.**

Biota meldensis, *Gord.*

Retinispora meldensis, *Hort.*

Thuya hybrida, *Hort.*

T. meldensis, *Hort.*

T. orientalis meldensis, *Hort.*

Var. **minima.**

Biota orientalis minima glauca, *Hort.*

Var. **nepalensis.**

Var. **pendula.**

Biota orientalis var. pendula, *Parl.*

B. pendula, *Endl.*

B. pendula var. recurvata, *Gord.*

Cupressus filiformis, *Hort.*

C. patula, *Pers.*

C. pendula, *Thunb.*

C. pendulata, *Hort.*

Thuya Douglasii pendula, *Hort.*

T. filiformis, *Lodd.*

T. flagelliformis, *Hort.*

T. orientalis var. flagelliformis, *Jacques.*

T. pendula, *Lamb.*

Var. **pyramidalis,** *Endl.*

Biota orientalis var. expansa, *Endl.*

B. orientalis var. tatarica, *Endl.*

B. tatarica, *Lindl.*

Thuya australis, *Hort.*

T. orientalis cupressoides, *Hort.*

Thuya orientalis—*cont.*

T. orientalis var. stricta, *Loud.*

T. orientalis var. tatarica, *Loud.*

T. pyramidalis, *Tenore.*

T. tatarica, *Forbes.*

Var. **semperaurescens.**

Biota orientalis semperaurea, *Hort.*

***Libocedrus chilensis**, *Endl.*; Gard. Chron. 1850, 439, f.; Rev. Hort. 1867, 410. f. 37. Chilian Andes.

Thuya chilensis, *D. Don*; Hook. London Journal of Botany ii., 199, t. 4.

L. decurrens, *Torr.*; Veitch Manual ed. 2, 252, f. 73; Beissner Handbuch 28, f. 2; Sargent Silva x. t. 534. Oregon to South California on mountains near the sea "Incense Cedar."

Heyderia decurrens, *C. Koch.*

Thuya craigiana, *A. Murr.*

T. gigantea, *Hort.*

Var. **compacta.**

Var. **glauca.**

Var. **nana.**

Var. **variegata.**

***L. doniana**, *Endl.*; Kirk Forest Flora of New Zealand, tt. 82, 83. New Zealand.

***L. macrolepis**, *Benth. & Hook.* Yunnan.

Calocedrus macrolepis, *Kurz* in Journ. Bot. 1873, 196. t. 133, f. 3.

Tribe II.—Taxodinae.

Sciadopitys verticillata, *Sieb. & Zucc.* Fl. Jap. ii. t. 101; Veitch Manual 202, ff. 46, 47; ed. 2, 288, f. 87. Japan. "The Umbrella Pine."

*Athrotaxis cupressoides, *D. Don*; Gard. Chron. 1885, xxiv. 273, f. 60; Veitch Manual ed. 2, 259, f. 75. Tasmania.

*A. laxifolia, *Hook.*; Gard. Chron. 1885, xxiv. 584, f. 134. Tasmania.

Athrotaxis doniana, *Hort.*

*A. selaginoides, *D. Don.*; Gard. Chron. 1888, iv. 544. f. 79; Veitch Manual ed. 2, 262, f. 78. Tasmania.

A. gunniana, *Hort.*

Sequoia gigantea, *Torr.*; Beissner Handbuch 163, f. 41. California. "Wellingtonia," "Mammoth Tree."

Sequoia Wellingtonia, *Seem*; Veitch Manual ed. 2, 276, f. 85; Sargent Silva x. t. 536.

Taxodium washingtonianum, *Winsl.*

Washingtonia californica, *Winsl.*

Wellingtonia gigantea, *Lindl.*; Veitch Manual 205, f. 48; Bot Mag. tt. 4777, 4778.

Var. aurea.

Var. pendula.

S. sempervirens, *Endl.*; Beissner Handbuch 158, f. 39; Sargent Silva x. t. 535. California. "Redwood."

Schubertia sempervirens, *Spach.*

Taxodium sempervirens, *Lamb.*

Var. albo-spica.

Var. gracilis.

*Glyptostrobus heterophyllus, *Endl.* China. "Chinese Water Pine."

Taxodium heterophyllum, *Brongn.*

Cryptomeria japonica, *D. Don*; Sieb. & Zucc. Fl. Jap. ii. tt. 124, 124b; Beissner Handbuch 142, f. 337. Mountains of Japan and China. "Japanese Cedar."

C. Fortunei, *Otto & Dietr.*

Cupressus japonica, *L. f.*

Taxodium japonicum. *Brongn.*

Var. araucarioides.

Var. elegans, Veitch Manual ed. 1, 218, f. 51; ed. 2, 265, ff. 80–1.

Cryptomeria Veitchii, *Hort.*

Var. elegans nana.

Var. Lobbi. Veitch Manual ed. 2, 266 f.

Var. Lobbi nana.

Var. pungens.

Var. spiralis.

Taxodium distichum, *Rich.*; Veitch Manual ed. 2, 282, f.; Beissner Handbuch 151, f. 38; Sargent Silva x. t. 537. Southern United States. "The Deciduous Cypress."

Cupressus disticha, *L.*

Taxodium microphyllum, *Brongn.*

Var. pendulum.

Glyptostrobus pendulus, *Endl.*: Bot. Mag. t. 5603.

Taxodium sinense, *Gord.*

***T. mucronatum**, *Ten.* Mexico.

Tribe III.—Araucarineae.

Cunninghamia sinensis, *R. Br.*; Bot. Mag. t. 2743; Beissner Handbuch 197, f. 49. South China.

Belis jaculiflora, *Salisb.*

Pinus lanceolata, *Lamb.*

*Agathis australis, *Salisb.*; Kirk Forest Flora of New Zealand tt. 79–81. New Zealand. "The Kauri Pine."

Dammara australis, *Lamb.*; Gard. Chron. 1883, xx. 525, f. 86.

*A. loranthifolia, *Salisb.*; Vidal Fl. Forest. Filip. t. 98a. Malaya.

*A. Moorei, *Mast.* New Caledonia.

Dammara Moorii, *Lindl.* Journ. Hort. Soc. 1851.

*A. obtusa, *Mast.*; Gard. Chron. 1897, xxi. 301, f. 103. New Hebrides.

Dammara obtusa, *Lindl.*

*A. robusta, *Mast.*; Queensl. Agric. Journ. ii. t. 10. N.E. Australia.

Dammara robusta, *C. Moore.*

*A. vitiensis, *Mast.* Fiji.

Dammara vitiensis, *Seem.* Fl. Vit. t. 76.

*Araucaria Balansae, *Brongn. & Gris.*; Ill. Hort. 1894, xxi. t. 197. New Caledonia.

A. elegans, *Hort.* Bull.

*A. Bidwillii, *Hook.*; Gard. Chron. 1873, 361, f. 73. Queensland. "The Bunya-Bunya."

*A. brasiliana, *Rich.*; Sieb. & Zucc. Fl. Jap. ii. t. 138. Mountains of S. Brazil.

A. brasiliensis, *Loud.*; Gard. Chron. 1887, i. 680, f. 132.

*A. Cookii, *R. Br.*; Gard. Chron. 1901, xxx. 387, f. 117. New Caledonia.

A. columnaris, *Hook.* Bot. Mag. t. 4635.

*A. Cunninghamii, *Ait.*; Sieb. & Zucc. Fl. Jap. ii. t. 139. Queensland. "The Moreton Bay Pine."

Araucaria Cunninghamii—*cont.*

*Var. glauca. Gard. Chron. 1888, iii. 685, f. 90.

A glauca, *Antoine.*

*A. excelsa, *R. Br.*; Sieb. & Zucc. Fl. Jap. ii. t. 140; Flore des Serres tt. 2304, 2305. Norfolk Island. "Norfolk Island Pine."

*Var. albo-spica.

*Var. goldieana, New Caledonia.

A. goldieana, *T. Moore* Florist and Pomologist 1877, 39 f.

*Var. Muelleri.

A. Muelleri, *Hort.* (not *Brongn. & Gris.*); Illustr. Hortic. xxix. t. 449.

A. imbricata, *Pav.*; Flore des Serres tt. 1577–1580; Veitch Manual ed. 2, 297, figs. 89, 90. Mountains of Southern Chili. "Chili Pine."

Var. aurea.

*A. Rulei, *F. Muell.*; Gard. Chron. 1861, 868; Brongn. & Gris. Descr. Plantes Remarquables Nouv. Caled. t. 16. New Caledonia.

A. Niepratschki, *Hort.* Lemoine.

Tribe IV.—Abietineae.

Sub-tribe I.—PICEAE.

*Tsuga brunoniana, *Carr.*; Gard. Chron. 1886, xxvi. 501, f. 101. East and Central Himalayas. "Indian Hemlock Fir."

Abies brunoniana, *Lindl.*

A. dumosa, *Loud.*

Pinus brunoniana, *Wall.*

P. dumosa, *D. Don.*

Tsuga canadensis, *Carr.*; Sargent Silva xii. t. 603. Beissner Handbuch 401, f. 709. N.E. America. "The Hemlock Spruce."

Abies americana, *Marsh.*

A. canadensis, *Michx.*; Veitch Manual 114 f. 29.

A. curvifolia, *Salisb.*

Picea canadensis, *Link.*

Pinus americana, *Duroi.*

P. canadensis. *L.*

Var. argentea.

T. canadensis var. albo-spica.

Var. macrophylla.

Var. milfordiensis.

Var. parvifolia.

Var. pendula.

Var. pendula argentea.

Var. Sargentii pendula.

Var. variegata.

T. caroliniana, *Engelm.*; Sargent Silva xii. t. 604; Gard. Chron. 1886, xxvi. 780, f. 153; Beissner Handbuch 406, f. 111; Veitch Manual ed. 2, 466, f. 116. Southern Alleghanies.

Abies caroliniana, *Chapm.*

T. mertensiana, *Carr.* N. W. America.

T. albertiana, *Veitch* Manual ed. 2, 460 f.

T. heterophylla, *Sargent* Silva xii. t. 605.

Abies albertiana, *A. Murr.*

A. Bridgesii, *Kellogg.*

A. mertensiana, *Lindl. & Gord.*

Tsuga mertensiana—*cont.*

A pattoniana, *McNab.* (not *Parl.*).

Pinus canadensis, *Bong.*

P. mertensiana, *Bong.*

T. pattoniana, *Engelm.* Mountains of California.

T. mertensiana, *Sargent* Silva xii. t. 606 (not *Carr.*); Veitch Manual ed. 2, 469, f. 117.

Abies pattoniana, *Jeffrey*; Veitch Manual 116, ff. 30,31; Beissner Handbuch 409, f. 113.

A. Williamsoni, *Newb.*

Hesperopeuke pattoniana, *Lemmon.*

Pinus pattoniana, *Parl.*

Var. glauca.

Abies hookeriana, *A. Murr.*

T. Sieboldi, *Carr.*; Veitch Manual ed. 2, 473, f. 118; Beissner Handbuch 395, f. 106. Japan. "Japanese Hemlock Spruce."

Abies Araragi, *Loud.*

A. Tsuga, *Sieb. & Zucc.* Fl. Jap. ii. t. 106; Veitch Manual 118 ff. 33, 34.

Pinus Araragi, *Sieb.*

P. Tsuga, *Antoine.*

Tsuga diversifolia, *Maxim.*

Tsuja Tsuja, *A. Murr.*

Var. nana.

† EUPICEA.—"*Spruce Firs.*"

Picea alba, *Link.*; Beissner Handbuch 341, f. 96. North Eastern America, British Columbia. "White Spruce."

P. canadensis, *B. S. & P.*; Sargent Silva xii. t. 598.

Picea alba—*cont.*

P. caerulea, *Link.*

P. nigra var. glauca, *Carr.*

Abies alba, *Michx.*

A. alba var. caerulea, *Carr.*

A. arctica, *Seem.*

A. caerulea, *Forbes.*

A canadensis, *Mill.*

A. laxa, *C. Koch.*

A. rubra var. caerulea, *Loud.*

Pinus alba, *Lamb.*

P. canadensis, *Duroi* (not *L.*).

P. glauca, *Moench.*

P. laxa, *Ehrh.*

P. rubra var. violacea, *Endl.*

Var. aurea.

Var. caerulea.

Var. caerulea Hendersoni.

Var. compacta.

Var. echiniformis, *Carr.*

Var. monstrosa.

Var. nivalis.

P. alcockiana, *Carr.*; Gard. Chron. 1880, xiii. 212, f. 43; Beissner Handbuch 379, f. 101. Japan.

Abies acicularis, *Hort.*

A. alcockiana, *Veitch.*

A. excelsa acicularis, *Hort.*

Pinus alcockiana, *Parl.*

Picea bicolor, *Mayr*. Monog. Abiet. p. 49, t. 3. Japan.

Abies alcockiana (in part).

Abies bicolor, *Maxim* (partly).

Picea alcockiana (in part).

P. breweriana. *S. Wats.*; Sargent Silva xii. t. 601; Gard. Chron. 1886, xxv. 498, f. 93. Siskiyou Mountains, N. California. "Weeping Spruce"

P. Engelmanni, *Engelm.*; Sargent Silva xii. t. 599; Beissner Handbuch 344, f. 97. British Columbia, Oregon to Arizona.

Abies alba, *Torr.*

A. Engelmanni, *Parry.*

A nigra, *Engelm.*

Pinus commutata, *Parl.*

P. Engelmanni, *Engelm.*

Var. glauca.

P. ericoides, *Hort.* A variety of uncertain origin.

P. excelsa, *Link.*; Köhler Med.-Pflanz. i. t. 8; Beissner Handbuch 353, f. 99. Mountains of Northern and Central Europe. 'The common Spruce."

Abies excelsa, *DC.*

A. Picea, *Mill.*

A. rubra. *Bauhin.*

Picea vulgaris, *Link.*

Pinus Abies, *L.*

P. excelsa, *Lam.* (not *Wall.*).

Picea excelsa—*cont.*

The varieties are extremely numerous and may be classified into—

1. Dwarf Varieties.

Var. clanbrassiliana.

Var. clanbrassiliana elegans.

Var. compacta.

Var. diffusa.

Var. dumosa.

Var. globosa nana.

Var. gregoryana.

Var. Maxwelli.

Var. microsperma.

Var. pygmaea.

Var. pygmaea glauca.

Var. Remonti.

Var. repens.

2. Pendulous and "Snake-branched" Varieties.

Var. Cranstoni.

Var. denudata.

Var. inverta. Gard. Chron. 1901, xxix. 263, f. 98.

Var. monstrosa.

Var. pendula.

3. Colour Varieties.

Var. argenteo-spica.

Var. aurea.

Picea excelsa—*cont.*

4. Varieties showing other Differences in Leaf and Habit.

Var. **attenuata.**

Var. **cincinnata,** *Hesse.*

Var. **Dicksoni.**

Var. **eremita.**

Var. **gigantea.**

Var. **laxa.**

Var. **mucronata.**

Var. **pinsapoides.**

Var. **pyramidalis.**

Var. **stricta.**

Var. **tenuifolia.**

P. **Glehni,** *Mast.* Gard. Chron. 1880, xiii. 300, f. 54. Island of Sachalin.

Abies Glehni, *F. Schmidt.*

P. **Maximowiczii,** *Regel.*; Gard. Chron. 1880, xiii. 363, f. 64. Japan.

Abies Maximowiczii, *Hort.*

P. **Morinda,** *Link*; Gard. Chron. 1885, xxiv. 383, f. 85. Himalaya.

P. smithiana, *Boiss.*; Veitch Manual ed. 2, 456, f. 112.

Abies Khutrow, *Loud.*

A. smithiana. *Forbes.*

Pinus Khutrow, *Royle.*

P. smithiana, *Lamb.*

P. **nigra,** *Link*; Beissner Handbuch 334, f. 94. North Eastern America. "Black Spruce."

P. mariana, *B. S. & P.*; Sargent Silva xii. t. 596.

Picea nigra—*cont.*

Abies alba, *Chapm.*

A. americana, *C. Koch.*

A. arctica, *Hort.* (not *Seem.*).

A. denticulata, *Michx.*

A. Mariana, *Mill.*

A. marylandica, *Hort.*

A. nigra, *Poir.*

Pinus Mariana, *Duroi.*

P. nigra, *Ait.*

Var. **aureo-marginata.**

Var. **Doumetti.**

Var. **pumila.**

P. obovata, *Ledeb.* Ic. Pl. Ross. t. 499. N.E. Europe and N. Asia.

Abies obovata, *Loud.*

Var. **japonica,** *Maxim.*

Var. **schrenkiana,** *Carr.*

Abies schrenkiana, *Lindl. & Gord.*

Picea schrenkiana, *Fisch. & Mey.*

P. orientalis. *Carr.*; Gard. Chron. 1886, xxv. 333, f. 62; Veitch Manual ed. 2, 444, f. 109. Mountains of the Taurus and Caucasus.

Abies orientalis, *Poir.*

A. wittmanniana, *Hort.*

Pinus orientalis, *L.*

Var. **aurea.**

Var. **nana.**

Var. **pygmaea,** *Ohlend.*

Picea polita, *Carr.*; Veitch Manual ed. 2, 447, f. 110; Beissner Handbuch 380, f. 102; Gard. Chron. 1880, xiii. 233, f. 44. Mountains of Japan.

Abies Torano, *Sieb.*

A. polita, *Sieb. & Zucc.* Fl. Jap. ii. t. 111.

P. pungens, *Engelm.* Utah and California.

Picea commutata, *Hort. aliq.*

P. Engelmanni, *Hort.* (not *Engelm.*).

P. Menziesii, *Hort.* (not *Carr.*).

P. parryana, *Sargent* Silva xii. t. 600.

Abies Engelmanni, *Hort.* (not *Parry*).

A. Menziesii, *Engelm.* (in part).

A. Parlatorei, *Hort.*

Var. diversifolia.

Var. **glauca**. *Veitch* Manual ed. 2, 449, f. 111. "Blue Spruce."

P. annesleyana, *Hort.*

P. parryana glauca, *Hort.*

P. pungens argentea, *Hort.*

P. Sargentii, *Hort.*

Var. kosteriana.

P. rubra, *Link.*; Beissner Handbuch 339, f. 95.

Picea nigra var. rubra, *Engelm.*

P. rubens, *Sargent* Silva xii. t. 597.

Abies nigra var. rubra, *Michx.*

A. rubra, *Poir.*

A. rubra var. arctica, *Lindl. & Gord.*

Pinus americana, *Gaertn.*

Picea rubra—*cont.*

P. americana var. rubra, *Wangenh.*

P. rubra, *Lamb.*

Var. monstrosa.

†† OMORICA.—"*Flat-leaved Spruce Firs.*"

P. ajanensis, *Fisch.*; Bot. Mag. t. 6743; Beissner Handbuch 386, f. 104. Amoor, Japan.

Abies ajanensis, *Kent.*

A. alcockiana, *Hort.* (in part).

A. sitchensis, *C. Koch* (not *Bong.*).

Picea Menziesii, *Parl.*

Tsuga ajanensis, *Regel.*

Var. microsperma.

P. ajanensis var. japonica.

P. jezoensis, *Maxim.* (not *Sieb.*).

P. hondoensis, *Mayr.* Monogr. Abiet. Japan t. 4. Japan.

P. Omorica, *Mast.*; Gard. Chron. 1884, xxi. 308, f. 58; Beissner Handbuch 383, f. 103. Servia, Bosnia. "Servian Spruce."

Pinus Omorika, *Panc.*

P. sitchensis, *Trautv. & Mey.*; Sargent Silva xii. t. 602; Beissner Handbuch, 391, f. 105; Gard. Chron. 1886, xxv. 728, f. 161. N.W. America. "Sitka Spruce."

Picea Menziesii, *Carr.*

P. sitkaensis, *Mayr.*

Abies Menziesii, *Loud.*

A. sitchensis, *Lindl. & Gord.*

Pinus Menziesii, *Dougl.*

P. sitchensis, *Bong.*

Sub-tribe II.—Lariceae.

CEDARS.

Cedrus atlantica, *Manetti.*; Gard. Chron. 1891, x. 425, f. 53; Gard. & For. 1896, 417. North Africa. "The Atlas Cedar."

C. africana, *Gord.*

Abies atlantica, *Lindl. & Gord.*

Pinus Cedrus var. atlantica, *Parl.*

Var. **aurea.**

Var. **fastigiata**, *Carr.*

Var. **glauca.**

Var. **pendula.**

C. Deodara, *Loud.*; Gard. Chron. 1891, x. 423, f. 52. Himalaya. "The Deodar."

Cedrus indica, *Chambr.*

C. Libani var. Deodora, *Hook. f.*

Abies Deodara, *Lindl.*

Larix Deodara, *C. Koch.*

Pinus Deodara, *Roxb.*

Var. **albo-spica.**

Var. **crassifolia.**

Var. **erecta.**

Var. **pendula.**

Var. **robusta.**

Var. **variegata.**

Var. **verticillata.**

Var. **viridis.**

Var. **Youngi.**

Cedrus Libani, *Loud.*; Gard. Chron. 1878, ix. f. 113; 1886, xxvi. 521, f. 102; 553, f. 109; Beissner Handbuch 299, f. 74. Syrian Mountains. "Cedar of Lebanon."

C. patula, *C. Koch.*

Abies Cedrus, *Poir.*

Larix Cedrus, *Mill.*

L. patula, *Salisb.*

Pinus Cedrus, *L.*

Var. brevifolia, *Hook. f.*; Journ. Linn. Soc. xvii. 517. Cyprus.

Var. pendula.

Var. pyramidalis.

Larches.

Larix davurica, *Trautv.* Siberia.

L. dahurica, *Turcz.*; Beissner Handbuch 329. f. 90.

L. europaea, *DC.*; Reichb. Ic. Fl. Germ. xi. t. 531. European Alps. "The Larch."

L. decidua, *Mill.* (1759).

L. excelsa, *Link.*

L. pyramidalis, *Salisb.* (1805).

L. vulgaris, *Fisch.*

Abies Larix, *Lam.*

Pinus Larix, *L.*

Var. glauca pendula.

Var. **pendula**, *Loud.*; Veitch Manual ed. 2, 392, f. 99.

Var. **pendulina**, *Regel*; Beissner Handbuch 325, f. 89.

Var. **rossica**, *Regel*; Beissner Handbuch 325, f. 88.

Var. **sibirica**, Beissner Handbuch 324, f. 87. "Siberian Larch."

L. archangelica, *Hort.*

L. sibirica, *Ledeb.*

Larix Griffithii, *Hook. f.*; Gard. Chron. 1886, xxv. 718, f. 157; Veitch Manual ed. 2, 396, f. 101. Beissner Handbuch, 317, f. 82. Eastern Himalaya.

Abies griffithiana, *Lindl. & Gord.*

Pinus Griffithii, *Parl.*

L. leptolepis, *Endl.*; Beissner Handbuch 318, f. 83; Gard. Chron. 1883, xix. 88, f. 13; Veitch Manual ed. 2, 398, f. 102. Japan.

L. japonica, *Carr.*

Abies leptolepis, *Sieb. & Zucc.* Fl. Jap. ii. t. 105.

Pinus leptolepis, *Endl.*

Var. **murrayana.**

Var. **pendula.**

L. occidentalis, *Nutt.*; Sargent Silva xii. t. 594, Veitch Manual ed. 2, 401, f. 104. North-Western America.

Pinus Nuttallii, *Parl.*

L. pendula, *Salisb.* (1805). North-Eastern America. "Tamarack," "Black Larch."

Larix americana, *Michx.* (1813); Sargent Silva xii. t. 593.

L. americana var. rubra, *Loud.*

L. microcarpa, *Forbes.*

Abies microcarpa, *Lindl. & Gord.*

A. pendula, *Lindl. & Gord.*

Pinus laricina, *Duroi.*

P. microcarpa, *Lamb.*

P. pendula, *Ait.*

Pseudolarix Kaempferi, *Gord.*; Flore des Serres t. 1777; Gard Chron. 1884, xxi. 584, f. 113; 1884, xxii. 238, f. 48. China. "The Golden Larch."

P. Fortunei, *Mayr.*

Abies Kaempferi, *Lindl.*

Pseudolarix Kaempferi—*cont.*

Laricopsis Kaempferi, *Kent.*; Veitch Manual ed. 2, 404, ff. 105–6.

Larix Kaempferi, *Carr.*

Pinus Kaempferi, *Lamb.*

Sub-tribe III.—SAPINEAE.

***Keteleeria davidiana**, *Franch.*; Beissner Handbuch 425, f. 117; Gard. Chron. 1903, xxxiii. 85, figs. 37, 38. China.

Pseudotsuga davidiana, *C. E. Bertr.*

***K. Fortunei**, *Carr.*; *Rev. Hort.* 1887, 207, ff. 42–5; Beissner Handbuch 422, f. 116; Gard. Chron. 1889, vi. 688, f. 95 (leaf structure). China.

Abies Fortunei, *A. Murr.*; Gard. Chron. 1884, xxi. 348, ff. 64–7; 1886, xxv. 428, ff. 82–3.

A. jezoensis, *Lindl.* (not *Sieb.*).

Abietia Fortunei, *Kent.*

Picea Fortunei, *A. Murr.*

Pinus Fortunei, *Parl.*

***K. sacra**, *Beissn.* China.

Abies sacra, *Franch.*; Nouv. Arch. Mus. ser. 2, vii. t. 14.

SILVER FIRS.

Abies amabilis, *Forbes*; Sargent Silva xii. t. 614; Gard. Chron. 1880, ff. 136–141; Beissner Handbuch 469, f. 128; Veitch Manual ed. 2, 491, ff. 126–9, British Columbia to Oregon.

Abies grandis, *A. Murr.* (not *Lindl.*).

A. grandis var. densiflora, *Engelm.*

Picea amabilis, *Loud.*

Pinus amabilis, *Dougl.*

P. grandis, *Lamb.* (not *Dougl.*).

Abies balsamea, *Mill.*; Sargent Silva xii. t. 610; Gard. Chron. 1895, xvii. 423, 425, 431, ff. 57, 58, 60. N.E. America. "Balm of Gilead" or "Balsam Fir."

Abies balsamifera, *Michx.*

Picea balsamea, *Loud.*

Pinus balsamea, *L.*

Var. **hudsonica**, *Sargent.* "Dwarf Balsam Fir"

Var. **variegata**, *Beissn.*

A. brachyphylla, *Maxim.*; Gard. Chron. 1879, xii. 556, f. 92; Bot. Mag. t. 7114. Japan.

Abies umbilicata, *Hort.* (not *Mayr.*)

A. Veitchii (*of some gardens*).

Picea brachyphylla, *Gord.*

P. pinnosa, *Hort.*

P. Veitchii (*of some gardens*).

Pinus brachyphylla, *Parl.*

A. bracteata, *Nutt.*; Bot. Mag. t. 4740; Gard. Chron. 1889. v. 242, f. 44. Santa Lucia Mts., California. "Santa Lucia Fir"

A. venusta, *C. Koch*; Sargent Silva xii. tt. 615, 616.

Picea bracteata, *Loud.*; Garden 1889, xxxv. 12, f.

Pinus bracteata, *D. Don.*

P. venusta, *Dougl.*

A. cephalonica, *Loud.*; Gard. Chron. 1884, xxii. 592, f. 105; Mouillefert Arbres tt. 133, xxvi. ter. Mountains of Greece.

A. Apollinis, *Link*

A. panachaica, *Heldr.*

A. Reginae-Amaliae, *Heldr.*

Picea cephalonica, *Loud.*

Pinus Abies var. cephalonica, *Parl.*

Abies cilicica, *Carr.* Flore des Serres t. 1108 bis; Beissner Handbuch 449, f. 122. Cilician Taurus.

A. Tschugatskoi, *Gord.*

Pinus cilicica, *Parl.*

A. concolor, *Lindl. & Gord.*; Sargent Silva xii. t. 613; Gard. Chron. 1890, viii. 748, ff. 147–8; Veitch Manual ed. 2, 502, f. 129; Beissner Handbuch 472, f. 130. Colorado, Utah, Arizona.

Picea concolor, *A. Murr.*

P. lasiocarpa, *Balfour* (not *Hook.*).

Pinus concolor, *Parl.*

Var. argentea Wallezi.

Var. pendula.

Var. violacea.

A. concolor var. violacea.

Picea concolor var. violacea, *Roezl.*

A. firma, *Sieb. & Zucc.* Fl. Jap. ii. t. 107; Veitch Manual 95, f. 16; ed. 2, 506, ff. 130–2. Beissner Handbuch 451, f. 123. Japan.

A. bifida, *Sieb. & Zucc.* Fl. Jap. ii. t. 109.

A. holophylla, *Maxim.*

Pinus firma, *Antoine.*

A. Fraseri, *Lindl.*; Sargent Silva xii. t. 609; Garden and Forest 1889, ii. 472, f. 132. Southern Alleghanies.

A. humilis, *La Pilaye.*

Picea Fraseri, *Loud.*

Pinus Fraseri, *Parl.*

A. grandis, *Lindl.*; Sargent Silva xii. t. 612. Veitch Manual 98, f. 24; ed. 2, 512, f. 133. Beissner Handbuch 478, f. 133. Vancouver to California.

A. amabilis, *A. Murr.* (not of *Forbes.*).

Abies grandis—*cont*

A. gordoniana, *Carr.*

Picea grandis, *Loud.*

Pinus grandis, *Dougl.*

A. homolepis, *Sieb. & Zucc.* Fl. Jap. ii. t. 108 ; Gard. Chron. 1879, xii. 823, f. 136. Japan.

A. brachyphylla, *Mayr.*

A. tschonoskiana, *Hort.*

Pinus harryana, *McNab.*

A. lasiocarpa, *Hook.* (not *Hort.*) ; Sargent Silva xii. t. 611. Gard. Chron. 1889, v. 172, ff. 23–32 ; Veitch Manual ed. 2, 515, f. 134. British Columbia to Colorado.

A. (Picea) bifolia, *A. Murr.*

A. grandis, *Engelm.* (in part).

A. subalpina, *Engelm.*

A. subalpina var. fallax, *Engelm.*

Picea amabilis, *Gord.* (in part).

Pinus amabilis, *Parl.* (in part).

Var. **arizonica.** Gard. Chron. 1901, ff. 52–3.

A. arizonica var. argentea, *Hort.*

Var. **caerulescens.**

A. lowiana, *A. Murr.* ; Gard. Chron. 1890, viii. 750, ff. 149, 150. Sierra Nevada.

A. concolor, *Sargent* (in part).

A. grandis var. lowiana, *Mast.*

A. lasiocarpa, *Beissn.*

A. parsonsiana (*of some gardens*).

Picea lowiana, *Gord.*

Abies **magnifica**, *A. Murr.*; Sargent Silva xii. tt. 618–9. Beissner Handbuch 482, f. 135. Californian Sierras.

A. campylocarpa, *A. Murr.*

Picea magnifica, *Gord.*

Pinus amabilis, *Parl.* (in part).

Var. **xanthocarpa.**

A magnifica var. shastensis, *Lemmon*; Sargent Silva xii. t. 620.

A nobilis var. robusta, *Mast.* Gard. Chron. 1885, xxiv. 657, f. 147.

A. shastensis, *Lemmon.*

A. **Mariesii**, *Mast.* Gard. Chron. 1879, xii. 788, t. 129; Beissner Handbuch 455, f. 124. Mountains of Japan.

A. **nobilis**, *Lindl.*; Sargent Silva xii. t. 617. Veitch Manual ed. 1, 101 f.; ed. 2, 521, f. 136. Oregon, California.

A. magnifica, *Engelm* (in part).

Picea nobilis, *Loud.*

Pinus nobilis, *Dougl.*

Var. **glauca.**

A. **nordmanniana**, *Spach*; Bot. Mag. t. 6992. Crimea.

Picea nordmanniana, *Loud.*

Pinus Abies, *Parl.*

A. **numidica**, *De Lannoy*; Flore des Serres t. 1717; Gard. Chron. 1888, iii. 140 (in part and excl. figs.). Algerian mountains.

A. Pinsapo var. baborensis, *Cosson.*

Picea numidica. *R. Smith.*

Pinus Pinsapo, *Parl.* (not *Boiss.*).

A. **pectinata**, *DC.* (1805); Reichb. Ic. Fl. Germ. xi. t. 533; Beissner Handbuch 430, f. 119. Mountains of Central and Southern Europe. "Silver Fir."

A. alba, *Mill.* (1768).

Abies pectinata—*cont.*

A. excelsa, *Salisb.* (1805).

A. Picea, *Lindl.*

A. taxifolia, *Desf.* (1809).

A. vulgaris, *Poir.* (1804).

Picea pectinata, *Loud.*

Pinus Abies, *Duroi* (1771).

P. pectinata, *Lam.* (1778).

P. Picea, *L.* (1753).

A. Pinsapo, *Boiss.*; Gard. Chron. 1885, xxiv. 468, f. 99, xxvi. 9, f. 1; 1888, iii. 140, f. 22 (section of leaf); Laguna Fl. Forest. Esp. tt. 2, 3. Mountains of Southern Spain.

Var. glauca.

A. sachalinensis, *Mast.* Gard. Chron. 1879, xii. 588, f. 97; Veitch Manual ed. 2, 538, f. 138. Sachalin, Yesso.

A. Veitchii var. sachalinensis, *Schmidt*; Beissner Handbuch 461, f. 127.

A. sibirica, *Ledeb.* Ic. Pl. Ross. t. 500; Beissner Handbuch 455; Veitch Manual 111. North and East Russia.

A. Pichta, *Forbes.*

Picea Pichta, *Loud.*

A. Veitchii, *Lindl.* Gard. Chron. 1880, xiii. 273, f. 50. Beissner Handbuch 459, f. 125; Veitch Manual ed. 2, 541, f. 139. Mountains of Japan.

Abies Eichleri, *Lauche.*

A. nephrolepis, *Maxim.*

Picea Veitchii, *Horl.*

Pinus selenolepis, *Parl.*

Abies webbiana, *Lindl.* Gard. Chron. 1891, x. 393, 395, 399. Veitch Manual ed. 1, 109 f.; ed. 2, 544, f. 141; Beissner Handbuch 480, f. 134. Himalaya.

Abies chiloensis, *Hort.*

A. chilrowensis, *Hort.*

Picea webbiana. *Loud.*

Var. Pindrow, *Brandis*; Loud. Encyl. 1052, f. 1970. North-Western Himalaya.

Picea Pindrow, *Loud.*

Pinus Pindrow, *Royle* Illustr. Bot. Himal. t. 86.

Pseudotsuga Douglasii, *Carr.*; Beissner Handbuch 413, f. 115. N.W. America. "The Douglas Fir."

P. mucronata, *Ludw.*; Sargent Silva xii. t. 607.

P. taxifolia, *Britton.*

Abies Douglasii, *Lindl.*; Veitch Manual 120, f. 35.

A. mucronata, *Rafin.*

A. taxifolia, *Poir.*

Abietia Douglasii, *Kent*; Veitch Manual ed. 2, 475, ff. 120–122.

Picea Douglasii, *Link.*

Pinus Douglasii, *Sabine.*

P. taxifolia, *Lamb.*

Tsuga Douglasii, *Carr.*

Var. brevifolia.

Var. elegans.

Var. glauca pendula.

Var. revoluta.

Var. Stairii.

Var. taxifolia.

Var. variegata.

Pseudotsuga macrocarpa, *H. Mayr*; Sargent Silva xii. t. 608. Southern California.

Abies Douglasii var. macrocarpa, *Torr.*

A. macrocarpa, *Vasey.*

Sub-tribe IV.—Pineae. "Pines."

† Pinaster.

Pinus albicaulis, *Engelm*; Sargent Silva xi. t. 548. North-West America.

P. cembroides, *Newb.* (not *Zucc.*).

P. flexilis, *A. Murr.* (in part).

P. flexilis var. albicaulis, *Engelm.*

P. Shasta, *Carr.*

P. balfouriana, *A. Murr*; Gard. Chron. 1876, v. 332, f. 58; Sargent Silva xi. t. 553. California.

Var. **aristata**, *Engelm*; Gard. Chron. 1896, xx. 719, f. 126.

Pinus aristata, *Engelm*; Sargent Silva xi. t. 554.

P. banksiana, *Lamb.* North-Eastern United States and Eastern Rocky Mountains.

P. divaricata, *Du Mont*; Sargent Silva xi. t. 588.

P. hudsonica, *Poir.*

P. bungeana, *Zucc.*; Gard. Chron. 1882, xvii.; 8, f. 2. North China. "Lace Bark Pine."

P. excorticata, *Lindl. & Gord.*

***P. canariensis**, *C. Sm.*; Gard. Chron. 1888, iii. 723, f. 94. Canaries.

P. cembroides, *Zucc.* Sargent Silva xi. t. 550. Arizona.

P. llaveana, *Schiede & Deppe.*

P. osteosperma, *Engelm.*

Pinus contorta, *Dougl.*; Gard. Chron. 1883, xix. 45, f. 5; Sargent Silva xi. t. 567. North-West America, near the coast.

P. Bolanderi, *Parl.*

P. Boursieri, *Carr.*

P. inops, *Bong.*

P. macintoshiana, *Lawson.*

Var. **murrayana**, *Engelm*; Sargent Silva xi. t. 568. Californian valleys.

P. contorta var. latifolia, *Hort.*

P. murrayana, *Lemmon.*

P. Coulteri, *D. Don.*; Gard. Chron. 1885, xxiii. 415, ff. 73, 74; Tree at Kew, 1888, iv. 765, f. 109; Sargent Silva xi. t. 571–2. California.

P. macrocarpa, *Lindl.*

***P. cubensis**, *Griseb.* South United States, Bahamas, Central America. "Slash Pine," "Swamp Pine."

P. bahamensis, *Griseb.*; Hook. Icon. Plant. t. 1807.

P Elliottii, *Engelm.*

P. heterophylla, *Sudworth*; Sargent Silva xi. tt. 591–2.

P. Taeda var. heterophylla, *Elliott.*

P. densiflora, *Sieb. & Zucc.* Fl. Jap., ii. 22, t. 112. Japan.

P. massoniana, *Hort.* (in part).

P. tabuliformis, *Hort.*

Var. **argenteo-variegata.**

Var. **aureo-variegata.**

P. edulis, *Engelm*; Gard. Chron. 1892, xii. 563, f. 86; Sargent Silva xi. t. 552. New Mexico.

P. cembroides, *Gord.* (not *Zucc.*).

*Pinus filifolia, *Lindl.*; Loud. Encycl. 1008, ff. 1889, 1890. Guatemala.

P. Skinneri, *Forbes.*

P. gerardiana, *Wall.*; Royle Illustr. Bot. Himal. t. 85, f. 2. North-Western Himalaya, Afghanistan.

P. halepensis, *Mill.*; Gard. Chron. 1884, xxii. 553, f. 97; 1888, iii. 629, f. 84. Mediterranean Region. "The Jerusalem Pine."

P. abchasica, *Fisch.*

P. hierosolymitana, *Duhamel* (1755).

P. maritima, *Lamb.*

P. persica, *Hort.*

P. Pithyusa, *Strangw.*

Var. prolifera.

P. inops, *Soland.* (1789). North-Eastern United States. "Scrub Pine."

P. variabilis, *Lamb.*

P. virginiana, *Mill.* (1768); Sargent Silva xi. t. 581.

P. insignis, *Dougl.*; Gard. Chron. 1878, ix. 108, ff. 22, 23; 1891, ix. 337, f. (habit). California. "The Monterey Pine."

P. radiata, *D. Don.*; Veitch Manual ed. 2, 371, f. 98; Sargent Silva xi. tt. 573–4.

P. tuberculata, *D. Don.* (not *Gord.*).

P. Jeffreyi, *A. Murr.*; Gard. Chron. 1889, v. 361, f. 65. California.

Var. deflexa, *Torr.*

P. Laricio, *Poir.*; Gard. Chron. 1884, xxi. 15, f. 1; (Tree at Kew), 1888, iv. 693, f. 97; Köhler Med.-Pflanz ii. t. 161; Beissner Handbuch 239, f. 59. South Europe, Levant. "The Corsican Pine."

P. Laricio var. latisquama, *Willk.*

Pinus Laricio—*cont.*

P. Laricio var. poiretiana, *Antoine.*

P. maritima, *Ait.*

The varieties of this species are extremely numerous and their identification and synonymy proportionately uncertain. The following forms may be roughly thrown under the following varieties, but they are not to be considered as strictly synonymous.

Var. **leucodermis**, *Hort. Kew.*

P. leucodermis, *Antoine.*

Var. **nigricans**, *Parl.* "Austrian Pine."

P. austriaca, *Hoess.*

P. calabrica, *Delamarre.*

P. dalmatica, *Vis.*

P. Laricio var. austriaca, *Endl.*

P. Laricio var. stricta, *Carr.*

P. magellensis, *Guss.*

P. maritima, *C. Koch.*

P. nigra, *Link.*

P. nigricans, *Hoess.*

P. Pinaster, *Bess.* (not *Sol.*).

P. romana, *Hort.*

P. sylvestris, *Baumg.*

P. taurica, *Hort.*

Var. **pallasiana.**

P. caramanica, *Bosc.*

P. Fenzlii, *Antoine.*

P. halepensis, *Bieb.* (not *Mill.*).

P. karamana, *Mast.* Gard. Chron. 1884, xxi. 480, f. 91.

P. maritima, *Pall.*

P. neglecta, *Hort.*

P. pallasiana, *Lamb.*

P. Pinea, *Habl.* (not *L.*).

Pinus Laricio—*cont.*

Var. **pindica**, *Mast.* Gard. Chron. 1902, xxxi. 302, f. 95.
P. pindica, *Formanek.*

Var. **tenuifolia**, *Parl.*
P. Laricio var. angustisquama, *Willk.*
P. Laricio var. cebennensis, *Gren. & Godr.*
P. Laricio var. leptophylla, *Christ.*
P. pyrenaica, *Lapeyr.* (in part).
P. Salzmanni, *Dun.*

The following are garden varieties :—

Var. **aureo-variegata.**

Var. **nana aurea.**

Var. **pendula.**

Var. **pumila.**

Var. **pygmaea.**

Var. **variegata.**

*P. longifolia, *Roxb.*; Royle Illustr. Bot. Himal. t. 85, f. 1. Himalaya.

*P. massoniana, *Lamb.* Pin. ed. 2, ii. 16. t. 8.
P. sinensis.

P. mitis, *Michx.* Eastern United States. "Yellow Pine."
P. echinata, *Mill.*; Sargent Silva xi. t. 587.
P. Taeda var. variabilis, *Ait.*
P. variabilis, *Pursh* (not *Lamb.*).

P. monophylla, *Torr.*; Gard. Chron. 1883, xx. 44, f. 8; 1886, xxvi. 137, f. 24 (habit); Sargent Silva xi. t. 551. Sierra Nevada, Utah.
P. fremontiana. *Endl.*

Pinus montana, *Duroi*; Laguna Fl. Forest. Esp. t. 7; Hempel Bäume t. 5. Mountains of Central and Southern Europe.

Var. **Fischeri.**

Var. **Mughus.**

P. Mughus, *Scop.*

Var. **Pumilio.**

P. Mughus, *Wahlenb.*

P. Mughus var. Pumilio.

P. Pumilio, *Haenke.*

P. sylvestris var. Pumilio.

Var. **Pumilio variegata.**

Var. **uncinata**, *Mast.* Gard. Chron. 1884, xxii. 208, f. 42. Pyrenees.

P. sanguinea, *Lapeyr.*

P. uncinata, *Ram.*

*P. **Montezumae**, *Lamb.* var. **lindleyana**; Gard. Chron. 1894, xv. 273, ff. 29–32; 1899, xxv. 147, f. 53. Mexico.

P. lindleyana, *Gord.* Journ. Hort. Soc. 1850, v. 215.

P. muricata, *D. Don.*; Gard. Chron. 1884, xxi. 49, ff. 7–9; Sargent Silva xi. tt. 585–6. California.

P. edgariana, *Hartw.*

P. radiata, *Hort.* (not *D. Don*).

P. palustris, *Mill.* Sargent Silva xi. tt. 589–90. South United States. "True Pitch Pine."

P. australis, *Michx.*

P. parryana, *Engelm.* South California.

P. quadrifolia, *Sudw.* ex Sargent Silva xi. 43, t. 549.

Pinus Pinaster, *Soland.*; Sowerby Engl. Bot. ed. 3, viii. t. 1381. Mediterranean region. "Cluster Pine."

P. helenica, *Loud.*

P. Laricio, *Santi.*

P. Latteri, *Madden.*

P. maritima, *Poir.*

P. nepalensis, *Royle.*

P. sylvestris var. *L.*

Var. **Hamiltoni**, *Lindl. & Gord.*

P. Hamiltoni, *Tenore.*

P. Pinea, *L.*; Laguna Fl. Forest. Esp. tt. 4, 5; Gard. Chron. 1888, iv. 604, ff. 84–5. Mediterranean region. "The Stone or Umbrella Pine."

P. ponderosa, *Dougl.*; Gard. Chron. 1890, viii. 557, ff. 110–115; Sargent Silva xi. t. 560–5. British Columbia to Texas.

A very variable species: the following names represent some of the more prominent forms or varieties:—

P. Beardsleyi, *A. Murr.*

P. benthamiana, *Hartw.*

P. brachyptera, *Engelm.*

P. craigiana, *A. Murr.*

P. Engelmanni, *Torr.*

P. parryana, *Gord.* (not *Engelm.*).

Var. **pendula**, *Sargent.*

Var. **scopulorum**, *Engelm.*

P. pungens, *Michx.*; Beissner Handbuch 214, f. 56; Sargent Silva xi. t. 581. East Central United States.

Pinus pyrenaica, *Lapeyr.*; Gard. Chron. 1888, iv. 267, f. 32. South Europe, Levant. "The Calabrian Pine."

P. Brutia, *Tenore.*

P. loiseleuriana, *Carr.*

P. paroliniana, *Webb.*

P. resinosa, *Soland.*; Forbes Pinet. Woburn. t. 6. North-Eastern America. "Canadian Red Pine."

P. rubra, *Michx.*

P. rigida, *Mill.*; Beissner Handbuch 268, f. 64; Sargent Silva xi. t. 579. Eastern United States.

P. Loddigesii, *Loud.*

P. sabiniana, *Dougl.*; Sargent Silva xi. tt. 569–70; Gard. Chron. 1888, iv. 44, f. 4. Tree at Kew, 1889, v. 45, f. 6. California. "Nut Pine."

P. serotina, *Michx.* Sargent Silva xi. t. 580. North Carolina to Florida.

P. Taeda var. alopecuroidea, *Loud.*

P. rigida var. serotina, *Loud.*

P. sylvestris, *L.*; Sowerby Engl. Bot. ed. 3, viii. t. 1380; Beissner Handbuch 227, f. 58. Northern Europe, Asia. Scotch Pine.

P. haguenensis, *Loud.*

P. rigensis, *Desf.*

P. rubra, *Mill.*

P. sylvestris var. genuina, *Heer.*

Var. altaica.

Var. argentea, *Steven.*

Var. aurea.

Var. beucoriensis.

Var. fastigiata, *Carr.*

Pinus sylvestris—*cont.*

Var. globosa.

Var. nana.

Var. pumila.

Var. uralensis.

Var. variegata.

P. Taeda, *L.*; Sargent Silva xi. tt. 577–8. South-eastern United States. "Torch or Loblolly Pine."

P. Thunbergii, *Parl.* Japan.

P. massoniana, *Sieb. & Zucc.* (not *Lamb.*); Fl. Jap. ii. tt. 113, 114.

P. Pinaster, *Loud.* (in part).

P. rubra, *Sieb.*

P. sylvestris, *Thunb.* (not *L.*).

Var. aurea.

Var. variegata.

*P. torreyana, *Torr.*; Sargent Silva xi. tt. 557–8. Southern California. "Soledad Pine."

P. lophosperma, *Lindl.*

P. tuberculata, *Gord.* (not *D. Don*); Gard. Chron. 1885, xxiv. 786, f. 184. Oregon.

P. attenuata, *Lemmon*; Sargent Silva xi. tt. 575–6.

P. californica, *Hartw.* (not *Loisel.*).

†† Strobus.

P. Armandi, *Franch.* Nouv. Arch. du. Mus. Ser. 2, vii. t. 12. Gard. Chron. 1903, xxxiii. 66, 67, ff. 30, 31. China.

Pinus Ayacahuite, *Ehrenb.*; Gard. Chron. 1882, xviii. 492, f. 83. Mexico. "Hickory Pine."

P. Buonapartea, *Roezl.*

P. colorado, *Roezl.*

P. Don Pedri, *Roezl.*

P. durangensis, *Roezl.*

P. hamata, *Roezl.*

P. loudoniana, *Gord.*

P. Popocatepetlii, *Roezl.*

P. Veitchii, *Roezl.*

P. Cembra, *L.*; Gard. Chron. 1872, 397; Beissner Handbuch 276, f. 65; Hempel Bäume t. 8. Mountains of Central Europe; Siberia. "The Stone Pine."

Var. aurea.

Var. pumila, *Pall.* Flora Rossica 5, t. 2.

Var. sibirica.

P. excelsa, *Wall.*; Gard. Chron. 1883, xix. 249, f. 35; Mouillefert Arbres t. 28 ter. Temperate Himalaya. "The Bhotan Pine."

Var. zebrina.

P. flexilis, *James*; Gard. Chron, 1875, iv. 356, f. 75; Sargent Silva xi. tt. 546–7. Eastern Rocky Mountains to Texas, &c.

P. koraiensis, *Sieb. & Zucc.*; Beissner Handbuch 281, f. 68, Veitch Manual 178, f. 40; ed. 2, 335, f. 94; Gard. Chron. 1903, xxxiii. 34, 35, ff. 18, 19. Korea, Japan.

P. mandshurica, *Rupr.*

Var. variegata.

P. lambertiana, *Dougl.*; Gard. Chron. 1885, xxiii. 11, 1887, i. 769, f. 144; Sargent Silva xi. tt. 542–3. California, Oregon. "The Sugar Pine."

Pinus monticola, *Dougl.*; Sargent Silva xi. tt. 540–1; Veitch Manual 181, f. 41; ed. 2, 349, f. 95. Vancouver's Island, California.

P. parviflora, *Sieb. & Zucc.* Fl. Jap. ii. t. 115; Gard. Chron. 1878, x 624, f. 103. Japan.

P. Peuke, *Griseb.*; Gard. Chron. 1883, xix. 244, ff. 33, 34. Macedonia.

P. excelsa, *Hook.* (not *Wall.*).

P. excelsa var. Peuke, *Beissner.*

P. Strobus, *L.*; Beissner Handbuch 290, f. 72; Sargent Silva xi. tt. 538–9. Canada, North-Eastern America. "The Weymouth Pine."

Var. compacta.

Var. densa.

Var. fastigiata.

Var. nana.

P. Strobus var. pygmaea, *Hort.*

Var. nivea.

Var. prostrata.

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TO

GENERA, TRIBES, SUB-TRIBES, SPECIES, AND SYNONYMS.

NOTE.—The typography is the same as in the list, that is, the names adopted at Kew are printed in thick, those which are regarded as synonymous in ordinary, type. The abbreviation in italics after each name indicates the author who first published it. As this indication is only of interest to anyone who wishes to trace the original description, it is, for the sake of simplicity, omitted on the permanent labels attached to the trees and shrubs in the living collections. One abbreviation needs a word of explanation : Hort. (= Hortorum) is attached to names which are current in gardens. They have no recognised authority, are usually of uncertain origin, or at the best have only been published in nurserymen's catalogues without distinctive characters by which the plants can be recognised ; they are only cited for purposes of convenience.

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LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE
By DARLING & SON, Ltd., 34-40, Bacon Street, E.

1903.

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